Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

943
17
Cop. 2

FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE
Foreign Agricultural Service Washington D.C.

U. S. DEPT. OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
NOV 9 - 1967
CURRENT SERIAL RECORDS

Dairying
FD 5-67
October 1967

WORLD DAIRY PRODUCT TRADE UNCHANGED IN 1966; OUTLOOK, DOWN SLIGHTLY

World trade in dairy products remained about unchanged in 1966 after a sharp decline in 1965. On a whole-milk-equivalent (butterfat) basis, exports from major dairy exporting countries were 45 billion pounds in 1966--the same as the volume traded a year earlier. These figures are based on milk having an average butterfat content of 3.7 percent.

World trade in butter, dry whole milk, and condensed whole milk declined in 1966, while trade in cheese, nonfat dry milk, and evaporated whole milk rose. Declines were sharpest for dry whole milk and condensed whole milk, which dropped 15 and 10 percent, respectively. Butter trade was down nearly 2 percent. On the other hand, world nonfat dry milk and evaporated whole milk trade rose 15 and 11 percent, respectively. Cheese trade registered a 9-percent gain.

Australia, Denmark, France, the Netherlands, and New Zealand continued to be the major exporters. Decreased production and sharply reduced stocks in the United States substantially curtailed exports from this country. The United Kingdom, traditionally the world's largest market for dairy products, remained unchallenged in 1966. Several newer and increasingly important markets--including Japan, Peru, and Chile--imported more dairy products but combined requirements in these markets do not begin to approach U.K. market needs for dairy products.

World dairy product trade in 1967 is expected to decline slightly from the 45 billion pounds, milk-equivalent level of 1966. Butter, dry whole milk, and condensed whole milk trade is expected to be down. In addition, it is doubtful if cheese trade will expand at as rapid a rate as in 1966. Declines in butter, dry whole milk, and condensed whole milk trade will likely more than offset increased trade in cheese, nonfat dry milk, and evaporated whole milk.

Butter

Based on data from major exporting countries, free world butter trade amounted to 1.3 billion pounds in 1966, a decline of about 2 percent. This marked the second consecutive year that butter trade has declined.

New Zealand, Denmark, and Australia continued to be the three largest exporters of butter. In 1966, the sum total of their exports accounted for nearly 70 percent of total world trade. New Zealand alone accounted for about one-third of the total. Other volume exporters are the Netherlands and France. Both Dutch and French exports rose sharply, reflecting large butter supplies in those countries and surplus disposal programs aimed at expanding overseas sales.

Most of the drop can be attributed to reduced imports by Western Europe, although Eastern Europe's imports were also substantially smaller. West European butter imports dropped by over 50 million pounds. Reduced imports by France, Italy, and the United Kingdom were responsible for most of the decline. The United Kingdom accounted for 90 percent of Western Europe's total butter imports in 1966, nearly three-quarters of total world trade.

The decline in European imports was partially offset by sharply increased takings by South America and Asia. Major markets in South America are Peru and Chile. Peruvian imports rose 26 percent and Chilean butter imports more than doubled. Japan, an emerging butter market in Asia, imported 20 million pounds, nine times more than the 2.2 million pounds imported in 1965. Imports in these growing markets are expected to continue upward in 1967.

Malaysia and the Republic of South Africa are other important non-European butter markets.

In North America, butter imports in 1966 rose sharply, largely because of large shipments from Canada. Imports from Canada rose from 1 million to 14 million pounds. Nearly all of Canada's imports were purchased from the Netherlands at heavily subsidized rates; this butter was then further processed and subsequently exported to the United States as butterfat-sugar mixtures.

World butter trade will likely decline again in 1967. Rising imports of North and South America and Asia will not be large enough to offset declining imports into Western Europe.

Cheese

World cheese trade continued to move upward in 1966, rising over 100 million pounds or 9 percent to a record 1.3 billion pounds. Thus, for the first time, trade in cheese equaled that in butter. Western Europe remained the largest market area, importing 1 billion pounds--over three-quarters of total world imports. The United Kingdom, West Germany, and Italy are the largest markets, accounting for 24, 24, and 11 percent of total trade, respectively. The United States continued to be the largest cheese market outside Western Europe, importing 116 million pounds--nearly 9 percent of total trade--in 1966. This is up substantially--50 percent--from the 77 million pounds imported in 1965. Most of the increase consisted of Colby cheese, supplied mainly by New Zealand, Denmark, and France.

Japan, the world's fastest growing cheese market, imported 39 million pounds, up 77 percent from 1965, and over 3½ times the amount imported only 5 years ago. Japan is now the world's seventh largest importer of cheese, nearly all of which is used in the manufacture of processed cheese.

The Netherlands remained the largest cheese exporter, shipping nearly 300 million pounds. New Zealand, Denmark, and France, were other important exporters.

The uninterrupted trend of rising world trade in cheese during the past decade is expected to continue in 1967. However, it is not likely that the gain will equal the-100-million-pound-plus increase registered in 1966. EEC member states, particularly the Netherlands and France, are expected to continue to benefit from the Common Agricultural Policy (CAP) for dairy, which in most instances provides funds for export subsidies.

Dry Whole Milk

World trade in dry whole milk totaled 337 million pounds in 1966, down 57 million pounds from the previous year. Two-thirds of the decrease can be attributed to lower imports by Venezuela, where imports dropped from 67 million pounds in 1965 to 29 million pounds in 1966. Europe also imported less in 1966.

The two largest exporters of dry whole milk--the Netherlands and Denmark--exported less, while exports from Australia and France were up.

Due to the sharp drop in Venezuela's imports, the United Kingdom became the most important world market for dry whole milk in 1966. West Germany remained second, and Venezuela became the No. 3 market.

World dry whole milk trade is characterized by a large number of countries trading relatively small quantities. The general trend of trade in dry whole milk has been up during the past several years. However, a resumption of this upward trend in 1967 appears doubtful. Venezuela is aiming at and progressing toward self-sufficiency in dairy production; thus exports to this primary market can be expected to decline further. West German imports may also decline as German production of most dairy products increases.

However, the overall decline in trade in this item in 1967 is expected to be fairly small.

Nonfat Dry Milk

World commercial exports of nonfat dry milk totaled 1.1 billion pounds, up 15 percent from those of 1965 and nearly 85 million pounds above the record high of 1964. Nearly all of the gain was due to increased exports from two West European suppliers--France and West Germany--as U.S. exports dropped over 200 million pounds.

France became the world's largest nonfat dry milk exporter in 1966, shipping 336 million pounds, 234 million pounds of which went to other Western European countries, primarily Italy, the Netherlands, and West Germany. In addition to Western Europe, Mexico and Cuba were important markets for French nonfat powder.

West Germany, traditionally an importer, became the third largest exporter in 1966. Germany's exports jumped from 44 million pounds in 1965 to 164 million in 1966. Most of the increased exports went to neighboring Western European countries, although sizable quantities were also shipped to Japan. Only France and New Zealand exported larger quantities of nonfat.

The Netherlands retained the distinction of being the largest commercial market for nonfat, despite a 39-million-pound drop in imports. Italy replaced Belgium as the second largest market in 1966. Japan, normally a market for large quantities of U.S. nonfat powder, most of which is imported for school lunch use, purchased 116 million pounds commercially, becoming the third largest market. The United States was unable to supply Japan with the usual quantities of nonfat dry milk for her school lunch program because of reduced U.S. production and stocks. Mexico, also long accustomed to obtaining supplies of nonfat from the United States, had to obtain needed supplies from other sources. Most of Mexico's requirements were supplied by France. The Philippines, another important market, imported nearly twice as much nonfat dry milk as in 1965.

The structure of world nonfat dry milk trade has changed rapidly during the past several years. Countries which were only minor exporters, such as France, West Germany, and Belgium, only three years ago are now major exporters. The United States, long the world's largest exporter of nonfat powder, was largely out of the commercial trade picture in 1966. These changing trade patterns are mainly the result of shifts in centers of production. In the past few years, production and trade have been shifting from North America to Western Europe--particularly the EEC. Most member states have been favored by the EEC's policy of high domestic support prices and payment of export subsidies. This has encouraged greatly expanded exports. These features of the Community's CAP for dairy products are in a large measure responsible for the rapidity of change in world production and trade in nonfat dry milk.

A projection of the level of world nonfat trade in 1967 indicates an upward direction. Last year, it was expected that trade would decline largely because of increased European production and reduced U.S. output. It was thought that West European imports would decline because of increased indigenous supplies. Imports were actually larger due to increased internal trade among member EEC states. Larger French exports to West Germany and Italy were mainly responsible for the increase.

The anticipated drop in U.S. exports materialized as shipments dropped over 200 million pounds from the 1965 level. However, the 105-million-pound-plus increase in Asian imports--namely by Japan and the Philippines--was not fully anticipated. On the export side, the magnitude of the increase in exports from France and Germany--300 million pounds--has been noted. These changes are mentioned here simply to indicate how rapidly world trade in nonfat dry milk is changing. Obviously such rapid changes increase the difficulty of attempts to accurately predict year-to-year changes in the direction and volume of trade.

Trade is expected to be up in 1967 primarily because of increased exports from Western Europe, namely the EEC countries--France, West Germany, and Belgium. Australia and New Zealand probably will export more nonfat in 1967 as they continue to increase production. Italy, the major market in Western Europe, will likely continue to utilize large quantities in feed compounds, most of which will be supplied by member EEC countries, particularly France.

Evaporated Whole Milk

World trade in evaporated whole milk rose 61 million pounds or 11 percent to a record 600 million pounds in 1966. Most of the increase was due to larger exports to West European countries, principally Belgium-Luxembourg and West Germany and to African countries, notably Ghana and Nigeria. Mexico again imported sizable quantities of evaporated whole milk, mostly from the United States. The increase in Mexico's imports stemmed mainly from relaxation of import restrictions in border cities first imposed in late 1964.

Western Europe replaced Asia as the major market area for evaporated milk in 1966, accounting for 28 percent of total trade. Asia became the second largest importer, while Africa was third. Asia accounted for 26 percent of total trade, while Africa's share was 25 percent.

The Netherlands remained the largest exporter of evaporated milk, accounting for nearly two-thirds of total world trade. The United Kingdom and France remained the second and third largest exporters, respectively. A relative newcomer to this trade was Belgium, which exported 42 million pounds in 1966, nearly seven times more than in 1965.

Evaporated milk trade is expected to rise further in 1967. Supplies are plentiful in most of the exporting countries and shipments in the first half of 1967 were above those of the same period a year earlier.

Condensed Whole Milk

World trade in condensed whole milk declined for the second consecutive year. Trade totaled 554 million pounds, down 59 million from 1965 and 109 million below the 1964 peak.

Reduced exports from the Netherlands--by far the world's largest supplier--were again responsible for most of the decline. Dutch exports dropped 67 million pounds to 228 million in 1966.

France and the United States, second and third largest exporters of condensed whole milk, both expanded sales in 1966. French exports rose 17 percent, while U.S. shipments increased 42 percent. Nearly all of the 93 million pounds exported from the United States went to South Vietnam under Title I of P.L. 480.

Asia remained the major market area for condensed milk. Asian imports totaled 331 million pounds or 60 percent of total trade. Malaysia, Thailand, and South Vietnam continued to be the most important importing countries. Outside Asia, important markets included Algeria and Greece.

Condensed whole milk trade is expected to decline further in 1967, continuing the trend of the past 2 years.

Table 1.--BUTTER 1/: Exports of major supplying countries by destination, 1965 and 1966 2/

Destination	Argentina		Australia		Denmark		Finland		France		Netherlands		New Zealand		United States 3/		Others 4/		Total	
	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:																				
Belgium and Luxembourg	-	-	-	-	0.3	0.3	-	-	0.8	1.4	0.5	0.8	-	-	5.2	-	-	-	6.8	2.5
France	1.1	-	2.4	-	0.9	1.3	-	-	-	-	0.9	0.8	-	-	14.5	-	12.3	6.4	32.1	8.5
Germany, West	1.4	-	5/	-	8.8	11.7	5/	0.4	14.9	16.5	2.9	3.2	0.7	0.5	4.7	-	3.4	0.6	36.8	32.9
Italy	5/	-	5/	-	0.4	0.7	-	-	11.5	31.6	4.0	0.8	0.2	5/	0.1	0.9	42.3	10.4	58.5	44.4
Switzerland	-	-	-	-	5.2	2.2	-	1.3	1.5	0.1	2.8	2.5	-	-	1.6	5/	3.7	8.0	14.8	14.1
United Kingdom	7.9	9.2	137.9	158.2	223.9	224.0	35.7	38.0	20.9	10.2	45.1	42.6	365.7	355.1	-	-	105.6	98.4	942.7	935.7
Greece	-	-	-	-	-	-	-	-	5/	0.1	4.0	3.3	-	5/	-	5/	-	0.1	4.0	3.5
Others	-	-	0.1	0.9	2.3	0.9	-	5/	0.1	0.7	0.4	0.8	0.2	0.1	0.1	5/	1.0	5/	4.2	3.4
Total	10.4	9.2	140.4	159.1	241.8	241.1	35.7	39.7	49.7	60.6	60.6	54.8	366.8	355.7	26.2	0.9	168.3	123.9	1,099.9	1,045.0
Eastern Europe:																				
Czechoslovakia	-	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-	0.3	-	3.1	-
Germany, East	-	-	-	-	1.9	-	0.2	-	-	-	0.1	-	-	-	2.9	-	5.0	-	10.1	-
Others	-	-	-	-	-	-	6/ 6.6	-	-	7/ 4.1	0.3	-	-	-	8/ 4.3	-	-	0.1	11.2	4.2
Total	-	-	-	-	4.7	-	6.8	-	-	4.1	0.4	-	-	-	7.2	-	5.3	0.1	24.4	4.2
North America:																				
British West Indies	-	-	1.3	1.2	-	-	-	-	-	-	-	5/	4.0	2.5	0.3	5/	1.1	1.1	6.7	4.8
Netherlands Antilles	-	-	0.1	0.2	5/	0.1	-	-	-	-	0.2	0.2	0.5	0.4	5/	5/	-	-	0.8	0.9
Panama	-	-	0.3	0.4	-	-	-	-	-	-	-	0.3	2.0	0.9	0.1	-	-	-	2.4	1.6
United States	-	-	0.4	1.1	0.6	0.2	-	5/	-	-	0.2	0.7	1.4	3.1	-	-	0.1	-	2.7	5.1
Jamaica	-	-	1.6	2.5	-	-	-	-	-	-	-	0.1	3.5	4.1	0.3	0.1	-	-	5.4	6.8
Canada	-	-	-	-	-	-	-	-	-	-	1.3	14.0	-	5/	5/	-	-	-	1.3	14.0
Others	-	-	0.3	0.2	0.1	0.2	-	5/	1.2	1.5	5/	0.2	0.3	2.8	0.3	0.3	1.7	0.1	3.9	5.3
Total	-	-	4.0	5.6	0.7	0.5	-	-	1.2	1.5	1.7	15.5	11.7	13.8	1.0	0.4	2.9	1.2	23.2	38.5
South America:																				
Peru	0.8	1.5	4.3	3.1	0.2	0.2	-	-	0.5	1.0	1.5	4.0	3.7	7.4	3.4	0.9	-	0.1	14.4	18.2
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	0.1	-
Chile	0.7	0.1	-	-	0.1	-	-	-	0.4	4.5	3.5	12.8	2.8	-	2.7	1.8	-	3.9	10.2	23.1
Others	-	-	0.5	0.4	5/	-	-	5/	0.2	-	0.1	0.2	0.3	0.3	5/	5/	0.1	0.1	1.2	1.0
Total	1.5	1.6	4.8	3.5	0.3	0.2	-	-	1.1	5.5	5.1	17.0	6.8	7.7	6.2	2.7	0.1	4.1	25.9	42.3
Asia:																				
Lebanon	-	-	0.2	0.1	1.3	1.3	-	-	0.1	0.2	0.4	0.4	-	-	0.4	-	-	-	2.4	2.0
Ceylon	-	-	2.3	2.6	-	-	-	-	-	-	-	5/	0.2	0.2	-	-	-	-	2.5	2.8
Hong Kong	-	-	2.9	3.5	0.1	0.1	-	-	-	-	0.1	0.2	0.9	0.7	-	5/	-	-	4.0	4.5
Malaysia	-	-	10.5	13.9	0.1	5/	-	-	0.1	5/	5/	0.5	1.9	5.5	0.8	0.2	-	5/	13.4	20.1
Philippines	-	-	0.1	1.6	5/	0.1	-	-	-	-	-	5/	1.7	3.3	1.3	0.2	-	-	3.1	5.2
Japan	-	-	1.3	9.5	-	-	-	-	-	-	5/	1.4	0.9	7.1	5/	1.1	-	0.9	2.2	20.0
Iran	-	-	5/	5/	0.5	0.5	-	-	0.2	0.1	1.7	4.7	-	-	0.8	0.1	-	-	3.2	5.4
Others	-	-	3.6	13.1	2.2	1.7	-	5/	0.2	0.5	0.4	1.1	0.5	1.5	8.5	7.0	-	-	15.4	24.9
Total	-	-	20.9	44.3	4.2	3.7	-	-	0.6	0.8	2.6	8.3	6.1	18.3	11.8	8.6	-	0.9	46.2	84.9
Africa:																				
Algeria	1.9	-	-	-	2.0	-	-	-	5.4	4.2	5/	1.1	-	-	-	-	3.4	-	12.7	5.3
Ivory Coast, Republic of	-	-	-	-	5/	5/	-	-	0.9	1.4	0.4	0.4	-	-	-	-	-	-	1.3	1.8
Madagascar, Republic of	-	-	-	-	-	-	-	-	0.6	0.7	0.4	0.3	-	-	-	-	-	-	1.0	1.0
Congo, Republic of	-	-	-	-	0.1	5/	-	-	-	0.1	0.8	0.7	-	-	0.3	5/	-	-	1.2	0.8
Senegal, Republic of	-	-	-	-	-	-	-	-	0.4	0.6	0.6	0.4	-	-	-	-	-	-	1.0	1.0
Morocco	-	-	-	-	5/	-	-	-	3.3	6.9	3.4	3.5	-	-	-	-	1.1	-	7.8	10.4
Tunisia	-	-	-	-	-	-	-	-	0.5	5/	-	5/	-	-	0.9	-	-	-	1.4	-
South Africa, Republic of	-	-	0.7	0.2	-	-	-	-	-	0.3	-	-	21.5	18.3	0.4	-	-	1.7	22.6	20.5
Others	-	-	6.6	1.9	0.4	0.4	-	5/	1.8	1.8	1.4	3.2	0.8	0.6	0.1	0.5	-	-	11.1	8.4
Total	1.9	-	7.3	2.1	2.5	0.4	-	-	12.9	16.0	7.0	9.6	22.3	18.9	1.7	0.5	4.5	1.7	60.1	49.2
All others	-	-	7.8	3.4	0.5	0.7	0.2	0.1	0.1	0.4	-	0.3	1.5	1.8	0.5	0.4	7.4	7.2	18.0	14.3
Grand total	13.8	10.8	185.2	218.0	254.7	246.6	42.7	39.8	65.6	88.9	77.4	105.5	415.2	416.2	54.6	13.5	188.5	139.1	1,297.7	1,278.4

1/ Includes butter equivalent of anhydrous butterfat, butteroil, and ghee. 2/ Preliminary. 3/ Exclusive of donation shipments under PL 480. 4/ Includes exports from Austria, Belgium, Canada, Ireland, Norway, Poland, Sweden, and West Germany. 5/ Less than 50,000 pounds. 6/ To Russia. 7/ To Hungary. 8/ To Poland.

Table 2.--CHEESE: Exports of major supplying countries by destination, 1965 and 1966 1/

Destination	Australia		Denmark		Finland		France		Italy		Netherlands		New Zealand		Switzerland		United States 2/		Others 3/		Total	
	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:																						
Austria	-	-	2.2	2.0	1.4	-	3.0	0.9	0.4	0.4	3.9	5.1	-	-	0.1	0.5	-	-	1.0	1.3	12.0	10.2
Belgium-Luxembourg	0.1	-	2.3	2.5	2.9	3.3	12.2	14.5	1.3	1.4	43.3	46.4	-	0.1	6.4	7.2	4/	4/	8.5	8.7	77.0	84.[illegible]
France	-	-	5.1	3.9	-	1.1	-	-	10.1	10.2	14.6	14.8	-	-	15.9	17.4	4/	4/	17.4	16.0	63.1	63.4
Germany, West	5.3	3.1	79.1	80.0	1.0	1.5	41.5	53.2	2.2	2.4	119.1	128.4	6.0	11.3	8.5	10.6	4/	4/	12.5	13.7	275.2	304.2
Greece	-	-	0.9	2.5	-	-	-	0.3	0.3	0.1	3.1	3.8	-	-	0.2	0.3	4/	4/	0.7	1.0	5.2	8.0
Italy	0.8	4/	7.9	6.6	9.3	7.7	21.8	24.0	-	-	6.7	8.1	1.7	2.0	26.1	30.2	4/	4/	53.9	64.5	128.2	143.1
Spain	-	-	0.2	0.1	-	-	7.8	3.5	0.1	0.1	2.3	1.7	-	-	0.3	0.3	-	4/	2.1	0.6	12.8	6.3
Sweden	4/	-	10.2	10.1	1.6	1.3	0.4	0.6	0.3	0.3	3.9	3.7	-	-	1.0	0.9	4/	4/	0.8	0.8	18.2	17.7
Switzerland	-	-	3.1	2.4	-	-	12.0	14.3	7.1	6.8	3.3	3.0	-	-	-	-	-	-	2.7	2.6	28.2	29.1
United Kingdom	28.5	9.4	20.7	20.3	1.2	2.0	11.4	11.8	2.5	2.6	25.3	35.4	165.0	158.0	2.5	2.4	0.1	0.1	60.6	72.4	317.8	314.4
Others	4/	0.9	0.3	0.8	-	-	5.1	3.2	0.5	0.8	1.5	1.7	0.8	0.4	1.3	1.3	0.1	0.3	12.0	13.8	21.6	23.2
Total	34.7	13.4	132.0	131.2	17.4	16.9	115.2	126.3	24.8	25.1	227.0	252.1	173.5	171.8	62.3	71.1	0.2	0.4	172.2	195.4	959.3	1,003.7
Eastern Europe:																						
Czechoslovakia	-	-	0.2	0.4	-	-	-	-	-	4/	-	-	-	-	0.2	0.2	-	-	-	-	0.4	0.6
Germany, East	-	-	2.1	1.7	2.4	0.7	-	0.2	-	-	1.4	1.1	-	-	-	-	-	-	2.7	2.2	8.6	5.9
Others	-	-	5/ 6.6	-	5/ 8.2	5/ 5.1	-	0.5	-	4/	4/	-	-	-	0.1	4/	-	-	-	4/	14.9	5.6
Total	-	-	8.9	2.1	10.6	5.8	-	0.7	-	-	1.4	1.1	-	-	0.3	0.2	-	-	2.7	2.2	23.9	12.1
North America:																						
British West Indies	0.5	0.7	-	-	-	-	-	-	-	4/	0.9	1.3	5.0	6.0	4/	4/	4/	0.2	0.4	0.2	6.8	8.4
Canada	0.1	4/	4.1	3.8	-	-	1.1	1.2	2.7	2.4	2.0	2.3	4/	4/	2.4	2.5	1.9	1.4	1.4	2.4	15.7	16.0
Mexico	-	-	-	-	-	-	0.1	-	4/	4/	0.5	0.4	-	-	0.1	0.1	4/	-	0.1	0.2	0.8	0.7
Netherlands Antilles	4/	4/	4/	-	-	-	-	-	-	4/	1.3	1.6	4/	4/	4/	-	0.2	0.1	-	4/	1.5	1.7
United States	5.1	3.5	10.6	24.5	3.5	3.5	4.3	14.0	18.4	16.7	5.5	7.4	9.7	18.3	10.7	12.1	-	-	9.1	15.6	76.9	115.6
Others	0.1	0.1	0.4	1.1	-	-	1.6	1.8	5/	0.1	1.2	1.5	0.1	0.3	0.1	0.2	2.3	2.2	0.3	0.7	6.1	8.0
Total	5.8	4.3	15.1	29.4	3.5	3.5	7.1	17.0	21.1	19.2	11.4	14.5	14.8	24.6	13.3	14.9	4.4	3.9	11.3	19.1	107.8	150.4
South America:																						
Peru	4/	4/	0.5	0.4	-	-	-	-	-	4/	0.3	0.3	4/	4/	0.1	0.1	0.1	0.1	0.7	0.9	1.7	1.8
Venezuela	-	-	0.1	-	-	-	4/	-	0.4	0.2	4/	-	-	-	0.1	0.1	0.6	0.2	-	4/	1.2	0.5
Others	0.1	0.1	0.4	-	-	-	0.2	-	-	4/	2.1	1.4	0.1	-	4/	4/	0.1	4/	-	0.1	3.0	1.6
Total	0.1	0.1	1.0	0.4	-	-	0.2	-	0.4	0.2	2.4	1.7	0.1	-	0.2	0.2	0.8	0.3	0.7	1.0	5.9	3.9
Asia:																						
Japan	5.9	8.9	0.6	2.2	-	-	4/	0.1	0.2	0.1	3.6	6.9	3.4	6.3	0.1	0.1	0.2	0.4	7.6	13.7	21.6	38.7
Lebanon	0.1	0.5	0.1	0.1	0.4	-	0.3	0.4	4/	4/	1.2	1.4	-	-	0.1	0.1	0.1	0.1	0.7	1.1	3.0	3.7
Malaysia	0.7	0.3	0.1	-	-	-	-	4/	-	4/	0.2	0.1	0.7	0.6	0.1	4/	4/	4/	-	-	1.8	1.0
Philippines	3.2	5.9	-	-	-	-	-	-	-	4/	0.8	1.2	4/	0.1	4/	4/	0.3	0.2	-	-	4.3	7.4
Turkey	-	-	-	-	-	-	0.4	0.4	-	-	0.2	0.4	-	-	-	-	-	-	-	4/	0.6	0.8
Others	6.6	6/15.8	1.0	0.4	1.2	0.4	0.3	0.2	5/	0.2	3.0	6.0	0.2	0.3	0.1	0.2	0.2	0.5	0.6	1.0	13.2	25.0
Total	16.5	31.4	1.8	2.7	1.6	0.4	1.0	1.1	0.2	0.3	9.0	16.0	4.3	7.3	0.4	0.4	0.8	1.2	8.9	15.8	44.5	76.6
Africa:																						
Algeria	-	-	0.3	0.2	-	-	8.3	11.1	-	4/	1.0	0.7	-	-	0.4	0.2	-	-	0.3	0.4	10.3	12.6
Congo, Republic of	-	4/	-	-	-	-	0.3	0.3	-	4/	0.2	0.2	-	-	0.1	0.2	4/	-	0.1	4/	0.7	0.7
Egypt	-	4/	-	-	-	-	-	-	-	4/	0.1	0.3	4/	-	-	-	4/	4/	-	-	0.1	0.3
Ivory Coast, Republic of	-	-	-	-	-	-	0.9	1.0	-	4/	-	-	-	-	4/	4/	-	-	-	-	0.9	1.0
Senegal, Republic of	-	-	-	-	-	-	1.0	0.9	-	4/	4/	4/	-	-	4/	4/	-	-	-	-	1.0	0.9
Madagascar, Republic of	0.1	-	-	-	-	-	0.7	0.7	-	4/	4/	4/	-	-	0.1	0.1	-	-	-	-	0.9	0.8
Morocco	-	-	0.2	0.1	1.2	0.7	2.3	2.7	-	4/	0.7	0.3	-	-	4/	4/	-	-	-	0.1	4.4	3.9
Tunisia	-	-	-	-	-	-	0.7	1.1	-	4/	0.3	-	-	-	-	-	-	-	0.2	-	1.2	1.1
Others	1.0	0.9	0.4	0.6	-	-	3.3	2.0	0.6	0.9	8.3	9.5	4.5	4.5	0.2	0.2	0.3	0.2	0.3	0.3	18.9	19.1
Total	1.1	0.9	0.9	0.9	1.2	0.7	17.5	19.8	0.6	0.9	10.6	11.0	4.5	4.5	0.8	0.7	0.3	0.2	0.9	0.8	38.4	40.4
Oceania:	1.1	0.8	1.9	2.1	-	-	0.7	0.8	0.9	1.1	1.5	1.6	1.2	1.3	0.5	0.4	-	4/	0.5	0.9	8.3	9.0
All others	0.3	0.3	3.5	2.2	9.2	5.8	0.1	2.5	1.2	0.4	1.0	0.1	0.1	1.3	0.2	0.1	0.3	-	6.2	10.4	22.1	23.1
Grand total	59.6	51.2	165.1	171.0	43.5	33.1	141.8	168.2	49.2	47.2	264.3	298.1	198.5	210.8	78.0	88.0	6.8	6.0	203.4	245.6	1,210.2	1,319.2

1/ Preliminary. 2/ Exclusive of donation shipments under PL 480. 3/ Includes exports from Argentina, Austria, Belgium, Canada, Ireland, Norway, Sweden, and West Germany. 4/ Less than 50,000 pounds. 5/ Mostly to Russia.
6/ Includes 5.4 million pounds to Iraq; 2.8 million pounds to Jordan; 1.4 million pounds to Kuwait; 3.6 million pounds to Saudi Arabia.

Table 3.--DRY WHOLE MILK: Exports of major supplying countries, by destination, 1965 and 1966[1]

Destination	Australia		Canada		Denmark		Netherlands		France		United Kingdom		United States 2/		Other 3/		Total	
	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:																		
Belgium-Luxembourg	-	-	-	-	-	-	4.2	0.2	0.1	0.2	-	-	4/	4/		-	4.3	0.4
France	-	-	-	-	4/	0.1	0.2	4/	-	-	-	-	-		-	-	0.2	0.1
Germany	-	-	-	-	0.2	4/	1.7	0.5	9.1	13.8	0.3	0.3	0.4	4/	20.9	14.9	32.6	29.5
Greece	-	-	-	-	-	-	0.1	0.1	0.5	0.7	-	-	4/	-	-	1.9	0.6	2.7
Switzerland	-	-	-	-	-	-	4/	-	0.2	0.4	-	-	0.1	-	4.9	4.8	5.2	5.2
United Kingdom	0.4	0.2	-	-	0.3	0.3	4/	4/	0.1	0.2	-	-	4/	4/	40.8	38.0	41.6	38.7
Other	4/	0.4	-	-	2.8	2.3	4.4	0.7	2.6	3.5	2.7	1.0	3.7	0.2	4.9	1.7	21.1	9.8
Total	0.4	0.6	-	-	3.3	2.7	10.6	1.5	12.6	18.8	3.0	1.3	4.2	0.2	71.5	61.3	105.6	86.4
Eastern Europe:	-	-	-	-	5/ 6.7	-	0.2	0.1	-	0.6	-	-	0.1	4/	5/47.0	25.5	54.0	26.2
North America:																		
British W. Indies	0.1	0.2	4/	4/	0.9	1.6	1.9	1.8	-	-	1.3	1.1	4/	4/	2.9	4.9	7.1	9.6
Costa Rica	-	-	-	-	-	-	-	-	-	-	-	-	4/	4/	-	-	-	-
El Salvador	-	-	-	-	1.9	2.1	6.1	5.7	-	-	-	-	-	4/	-	-	8.0	7.8
Guatemala	-	-	-	-	1.6	1.7	0.6	0.5	-	-	0.6	0.6	4/	0.1	-	-	2.8	2.9
Honduras	-	-	-	4/	1.1	1.3	0.8	0.6	-	-	0.2	0.2	0.1	0.1	-	-	2.2	2.2
Netherlands Antilles	-	-	4/	4/	0.3	0.4	1.8	2.0	-	-	-	-	4/	4/	-	4/	2.1	2.4
Dominican Republic	-	-	-	-	0.2	0.5	1.6	2.0	-	-	-	-	4/	0.1	-	-	1.8	2.6
Other	-	-	4/	4/	1.7	0.9	0.4	0.2	1.2	1.3	0.1	0.3	1.4	1.6	-	0.1	4.8	4.4
Total	0.1	0.2	4/	4/	7.7	8.5	13.2	12.8	1.2	1.3	2.2	2.2	1.5	1.9	2.9	5.0	28.8	31.9
South America:																		
Brazil	-	-	-	-	0.1	0.6	-	-	-	-	-	-	0.1	-	-	-	0.2	0.6
Peru	4/	4/	0.6	0.6	0.9	0.6	0.2	0.1	-	-	-	-	0.1	0.1	-	-	1.8	1.4
Venezuela	0.4	-	19.0	4.4	17.4	6.1	12.5	7.5	-	-	-	-	4.0	1.7	13.4	9.2	66.7	28.9
Chile	-	-	4/	-	0.2	0.7	0.3	0.7	-	0.1	-	-	4/	4/	-	1.6	0.5	3.1
Other	4/	4/	4/	0.2	2.8	2.0	1.1	1.2	0.1	-	0.2	0.3	0.2	0.3	-	1.8	4.4	5.8
Total	0.4	-	19.6	5.2	21.4	10.0	14.1	9.5	0.1	0.1	0.2	0.3	4.4	2.1	13.4	12.6	73.6	39.8
Asia:																		
Aden	-	-	-	-	-	-	0.3	0.2	-	-	0.3	0.2	-	-	-	-	0.6	0.4
Ceylon	1.9	5.8	-	-	1.0	1.1	3.2	2.7	-	-	2.3	4.2	0.1	0.1	0.1	0.1	8.6	14.0
Hong Kong	0.7	1.5	-	4/	0.3	0.6	0.5	0.4	-	-	0.1	0.1	0.1	4/	0.2	0.1	1.9	2.7
India	0.1	2.7	-	-	0.7	0.9	0.2	2.0	-	-	0.1	0.2	0.1	4/	2.7	2.4	3.9	8.2
Indonesia	4/	4/	-	1.5	0.2	1.2	1.2	1.0	-	-	-	-	4/	4/	-	4/	1.4	3.7
Lebanon	-	4/	-	-	3.9	4.3	1.9	1.4	1.1	1.4	0.1	0.1	4/	4/	0.9	-	7.9	7.2
Malaysia	4.6	4.9	-	-	5.7	4.6	1.2	0.4	-	-	2.9	2.9	0.1	0.1	1.5	1.0	16.0	13.9
Philippines	0.5	1.6	-	-	0.8	1.3	1.1	1.7	-	-	-	4/	0.4	0.4	-	4/	2.8	5.0
Saudi Arabia	-	-	-	-	1.8	2.0	3.5	3.6	-	-	-	-	-	0.1	-	-	5.3	5.7
Taiwan	2.0	2.8	-	-	1.5	1.6	2.7	1.1	-	-	-	-	-	0.1	0.1	1.0	6.3	6.6
Thailand	0.3	0.2	-	-	2.5	2.1	0.4	0.3	-	-	-	-	-	4/	0.2	0.3	3.4	2.9
Kuwait	-	4/	-	-	1.4	1.7	3.8	3.2	-	4/	0.1	4/	-	-	-	4/	5.3	4.9
Other	1.3	1.1	4/	4/	5.7	9.1	2.6	3.8	0.2	-	0.3	0.3	4.3	6/ 8.4	0.3	4.6	14.7	27.3
Total	11.4	20.6	-	1.5	25.5	30.5	22.6	21.8	1.3	1.4	6.2	8.0	5.1	9.2	6.0	9.5	78.1	102.5
Africa:																		
Congo, Republic of	-	-	-	-	0.1	0.5	0.1	0.3	-	-	-	-	1.4	1.7	-	-	1.6	2.5
Morocco	-	-	-	-	0.3	0.3	0.4	0.3	0.3	0.5	-	-	-	4/	-	-	1.0	1.1
Rhodesia	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	0.1	-
Sudan	-	0.1	-	-	0.3	0.3	1.8	1.4	-	-	0.4	0.8	-	4/	-	-	2.5	2.6
Sp.North Africa	-	-	-	-	-	-	9.0	11.3	0.3	0.1	-	-	-	-	-	1.1	9.3	12.5
Other	3.0	2.4	4/	-	8.6	7.2	8.0	3.9	1.8	3.0	2.1	2.4	0.7	0.2	-	0.2	24.2	19.3
Total	3.0	2.5	4/	-	9.3	8.3	19.3	17.2	2.4	3.6	2.6	3.2	2.1	1.9	-	1.3	38.7	38.0
Oceania:	2.4	2.6	-	-	-	-	4/	-	-	-	-	-	0.1	0.2	0.3	0.2	2.8	3.0
All others	0.2	0.2	0.1	-	0.5	0.5	0.1	0.2	0.4	0.6	0.3	0.6	0.8	0.1	10.3	7.2	12.7	9.4
Grand total	17.9	26.7	19.7	6.7	74.4	60.5	80.1	63.1	18.0	26.4	14.5	15.6	18.3	15.6	151.4	122.6	394.3	337.2

1/ Preliminary. 2/ Exclusive of donation shipments under PL 480. 3/ Includes exports from Austria, Belgium, Finland, Ireland, New Zealand, and Sweden. 4/ Less than 50,000 pounds.
5/ Mostly to Russia. 6/ Mostly to Japan.

Table 4.--NONFAT DRY MILK: Exports of major supplying countries by destination, 1965* and 1966[1/]

Destination	Australia		Canada		France		Netherlands		Germany, West		Belgium		United Kingdom		New Zealand		United States 2/		Others 3/		Total	
	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965 10/	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:																						
Austria	-	-	-	-	-	-	-	-	-	4.2		-	-	-	-	-	0.6	4/	-	5/	0.6	4.2
Belgium & Luxembourg	-	-	0.1	4/	4.6	12.9	77.9	29.8	3.0	17.1		-	4/	0.6	-	-	0.4	0.1	2.1	2.0	88.1	62.5
Denmark	-	-	0.2	-	-	-	-	-	5.8	9.4		-	4.1	14.0	-	-	0.1	4/	-	2.5	10.2	25.9
Germany, West	-	-	-	-	9.8	41.9	0.2	0.6	-	-		17.1	0.9	0.6	-	-	2.2	-	0.8	0.8	13.9	61.0
Greece	-	-	0.2	-	0.4	1.2	-	4/	0.2	1.3		-	-	-	4/	-	4/	4/	-	-	0.8	2.5
Netherlands	-	-	29.9	9.7	11.3	50.2	-	-	16.8	26.8		19.2	6.7	16.7	0.4	8.2	120.3	0.6	12.6	27.6	198.0	159.0
United Kingdom	5.6	5.1	1.7	-	2.6	5.4	0.2	-	1.1	2.5		-	-	-	74.2	35.9	0.3	0.1	16.4	19.6	102.1	68.6
Switzerland	-	-	0.3	0.4	23.9	2.5	-	-	8.5	16.8		-	-	0.1	-	-	2.8	-	1.9	1.7	37.4	21.5
Italy	-	-	10.7	6.6	59.3	111.7	1.2	0.2	1.1	3.8		23.8	4/	1.8	0.8	2.9	4.3	-	1.1	1.3	78.5	152.1
Spain	-	-	0.8	-	16.7	8.5	5.2	2.1	1.1	16.3		-	-	-	-	-	0.8	4/	-	-	24.6	26.9
Others	-	-	0.1	0.2	0.1	0.1	4/	0.3	4/	0.2		-	0.2	0.3	4/	0.2	0.3	0.9	0.4	0.1	1.1	2.3
Total	5.6	5.1	44.0	16.9	128.7	234.4	84.7	33.0	37.6	98.4		60.1	11.9	34.1	75.4	47.2	132.1	1.7	35.3	55.6	555.3	586.5
Eastern Europe:	-	-	0.2	0.3	6/18.1	7/22.3	-	-	0.8	9/12.7		-	-	-	-	-	11/20.4	-	0.2	2.5	39.7	37.8
North America:																						
British West Indies	1.0	1.4	1.2	2.5	-	-	-	-	-	-		-	0.3	0.3	2.0	2.4	-	0.1	-	0.6	4.5	7.3
Canada	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	9.1	0.4	-	-	9.1	0.4
Jamaica	0.7	4.2	1.7	1.7	-	-	-	-	-	-		-	0.1	0.2	7.4	5.8	4/	0.1	-	-	9.9	12.0
Mexico	-	-	-	1.4	4.0	40.1	-	-	-	0.1		1.3	-	-	-	-	25.7	4.9	-	-	29.7	47.8
United States	0.9	2.2	0.3	0.7	-	-	-	-	1.0	0.1		-	-	-	-	-	-	-	-	-	2.2	3.0
Others	-	-	25.9	5.4	0.4	8/17.8	0.1	4/	-	1.8		8/14.9	4/	4/	4/	0.5	2.8	1.6	0.8	0.1	30.0	42.1
Total	2.6	7.8	29.1	11.7	4.4	57.9	0.1	-	1.0	2.0		16.2	0.4	0.5	9.4	8.7	37.6	7.1	0.8	0.7	85.4	112.6
South America:																						
Peru	2.5	1.7	0.4	1.2	-	0.4	-	4/	-	1.5		-	-	-	7.9	14.1	2.8	0.8	0.1	0.4	13.7	20.1
Venezuela	-	0.3	7.1	4.8	-	1.0	-	-	-	-		-	-	-	0.3	-	0.5	0.3	0.1	-	8.0	6.4
Chile	-	-	4/	0.2	-	4.8	-	1.1	-	10.6		8.6	-	-	3.3	-	3.7	0.4	-	-	7.0	25.7
Others	-	0.1	1.9	0.6	-	0.3	-	0.1	0.5	2.3		-	4/	4/	-	0.4	21.9	-	-	3.0	24.3	6.8
Total	2.5	2.1	9.4	6.8	-	6.5	-	1.2	0.5	14.4		8.6	-	-	11.5	14.5	28.9	1.5	0.2	3.4	53.0	59.0
Asia:																						
Ceylon	0.3	0.2	-	-	-	-	-	-	-	-		-	0.3	0.3	0.4	0.3	0.1	-	0.1	-	1.2	0.8
Hong Kong	0.5	1.1	-	-	-	-	-	-	-	-		-	0.7	0.5	0.7	0.4	0.5	0.1	-	-	2.4	2.1
India	10.8	3.2	0.2	3.8	-	-	-	-	1.9	2.4		-	0.1	0.7	5.7	5.9	-	-	-	18.7	18.7	34.7
Israel	4/	-	0.1	0.2	-	1.4	-	-	-	1.7		-	-	-	4.5	3.2	9.9	-	0.9	0.2	15.4	6.7
Japan	1.3	7.3	-	28.2	-	5.5	4/	4.1	0.2	17.8		-	1.6	2.0	8.0	43.7	4.5	7.2	-	0.1	15.6	115.9
Malaysia	5.4	6.2	-	-	-	-	-	-	-	-		-	0.5	0.9	10.3	16.3	-	0.2	-	1.8	16.2	25.4
Philippines	2.9	9.3	-	-	-	-	-	4/	-	0.1		11.6	4/	4/	17.9	25.8	14.2	20.1	0.1	0.1	35.1	67.0
Others	7.5	5/16.4	0.4	0.9	0.3	0.5	0.2	0.8	0.8	1.6		-	0.8	1.1	3.4	8.4	12.7	9.0	1.4	1.4	27.5	40.1
Total	28.7	43.7	0.7	33.1	0.3	7.4	0.2	4.9	2.9	23.6		11.6	4.0	5.5	50.9	104.0	41.9	36.6	2.5	22.3	132.1	292.7
Africa:																						
Mauritius	1.3	1.9	-	4/	-	-	-	-	-	-		-	0.1	0.3	-	0.7	-	-	-	-	1.4	2.9
Rhodesia	0.1	0.7	-	-	-	-	-	-	-	0.5		-	0.1	4/	-	-	0.2	-	-	-	0.4	1.2
Congo, Republic of	-	-	-	4/	-	-	-	-	-	4/		-	-	-	-	-	0.7	-	-	-	0.7	-
Algeria	-	-	-	0.4	0.8	0.8	-	0.1	0.1	-		-	-	-	-	-	-	-	-	0.1	0.9	1.4
South Africa, Republic of	4/	0.7	2.6	-	-	3.1	-	-	0.3	5.4		-	0.7	0.7	1.9	1.1	2.0	3.2	0.3	-	7.8	14.2
Others	2.4	-	0.2	0.2	3.2	3.4	0.4	1.4	1.0	6.9		0.2	1.2	2.3	1.2	0.6	1.3	-	1.3	1.8	12.2	16.8
Total	3.8	3.3	2.8	0.6	4.0	7.3	0.4	1.5	1.4	12.8		0.2	2.1	3.3	3.1	2.4	4.2	3.2	1.6	1.9	23.4	36.5
All others	1.3	0.6	0.1	-	0.4	0.4	0.5	0.1	0.1	0.2		14.3	1.2	2.0	1.2	1.3	0.3	0.3	3.6	1.8	8.7	21.0
Grand total	44.5	62.6	86.3	69.4	155.9	336.2	85.9	40.7	44.3	164.1	97.0	111.0	19.6	45.4	151.5	178.1	265.4	50.4	44.2	88.2	994.6	1,146.1

1/ Preliminary. 2/ Exclusive of donations under PL. 480 and concessional sales for special use, mainly school lunch programs. 3/ Includes Denmark, Finland, Ireland, and Sweden. 4/ Less than 50,000 pounds. 5/ Mostly to Thailand and Taiwan. 6/ To Hungary for feed use. 7/ Mostly to Hungary and Yugoslavia. 8/ Mostly to Cuba. 9/ Mostly to Yugoslavia and Romania. 10/ Prior to 1966, no breakdown reported. 11/ Mostly to Yugoslavia.
*Revised.

Table 5.--EVAPORATED WHOLE MILK: Exports of major supplying countries, by destination 1965 and 1966[1]

Destination	Denmark		France		Netherlands		United Kingdom		Belgium		United States 2/		Others 3/		Total	
	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:																
Belgium-Luxembourg	-	-	0.3	-	5.2	20.2	-	-	-	-	4/	-	-	-	5.5	20.2
France	-	-	-	-	1.8	1.0	0.1	0.1	-	-	-	-	-	-	1.9	1.1
Germany, West	0.2	-	14.5	14.7	43.1	62.3	2.5	0.5	0.2	4.7	4/	4/	-	-	60.5	82.2
Greece	-	-	2.2	2.4	24.1	22.8	-	-	1.1	-	-	-	-	-	27.4	25.2
Italy	-	-	0.2	-	2.1	2.5	-	-	4/	-	-	4/	-	-	2.3	2.5
Malta	0.1	4/	-	-	6.0	5.3	4.9	3.4	-	-	-	-	-	0.3	11.0	9.0
Switzerland	0.1	0.1	-	0.4	6.2	6.9	-	-	-	-	-	-	-	-	6.3	7.4
United Kingdom	5.0	3.4	-	-	6.6	6.6	-	-	-	-	4/	-	-	0.3	11.6	10.3
Other	0.3	0.2	-	0.3	0.6	0.8	-	0.8	4/	5.7	-	-	-	-	0.9	7.8
Total	5.7	3.7	17.2	17.8	95.7	128.4	7.5	4.8	1.3	10.4	-	-	-	0.6	127.4	165.7
Eastern Europe:	-	-	-	-	-	4/	-	-	-	-	4/	4/	-	-	-	-
North America:																
Bermuda & Bahamas	-	-	-	-	-	2.2	0.4	-	-	2.7	-	0.2	5.3	6.2	5.7	11.3
British West Indies	-	-	-	-	13.8	7.8	4.0	3.9	0.8	1.1	4/	0.3	-	0.7	18.6	13.8
Costa Rica	-	-	-	-	0.6	0.5	0.2	0.1	-	-	4/	-	-	-	0.8	0.6
Cuba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haiti	-	-	-	-	2.9	1.9	1.3	0.9	0.2	-	-	-	-	-	4.4	2.8
Mexico	-	-	-	-	-	-	-	-	-	-	11.9	26.7	-	-	11.9	26.7
Netherlands Antilles	-	-	-	-	4.9	4.4	-	0.4	-	-	-	0.4	-	-	4.9	5.2
Panama	-	-	-	-	0.1	0.3	-	-	-	-	-	4/	-	-	0.1	0.3
Dominican Republic	-	-	-	-	1.7	5.7	-	-	-	-	0.9	0.2	-	-	2.6	5.9
Other	-	-	1.7	1.3	1.7	3.2	0.4	0.4	-	-	0.7	0.4	1.8	1.5	6.3	6.8
Total	-	-	1.7	1.3	25.7	26.0	6.3	5.7	1.0	3.8	13.5	28.2	7.1	8.4	55.3	73.4
South America:																
Guyana	-	-	-	-	5.9	4.3	2.3	2.5	-	2.1	-	-	0.6	-	8.8	8.9
Peru	-	-	-	-	17.6	19.5	-	-	-	-	-	4/	1.9	1.1	19.5	20.6
Venezuela	-	-	-	-	0.4	0.5	0.4	0.3	-	-	4/	4/	-	-	0.8	0.8
Other	0.1	-	0.2	0.2	1.7	1.6	-	-	-	-	0.2	4/	-	-	2.2	1.8
Total	0.1	-	0.2	0.2	25.6	25.9	2.7	2.8	-	2.1	0.2	4/	2.5	1.1	31.3	32.1
Asia:																
Aden	-	-	-	-	12.5	13.6	0.2	0.2	-	-	-	-	-	-	12.7	13.8
Bahrein	-	-	-	-	2.6	3.2	-	-	-	-	-	-	-	0.2	2.6	3.4
Burma	-	-	-	-	12.0	-	2.3	4/	-	-	-	-	0.4	0.3	14.7	0.3
Hong Kong	-	-	-	-	19.8	16.3	-	0.4	0.5	4.6	4/	0.1	1.5	1.4	21.8	22.8
India	1.5	-	-	-	5.4	0.1	4/	4/	-	-	4/	4/	0.4	1.7	7.3	1.8
Indonesia	-	-	-	-	-	0.9	-	-	-	-	-	4/	-	4/	-	0.9
Kuwait	-	-	-	-	6.6	4.4	-	-	-	-	-	-	-	-	6.6	4.4
Malaysia	-	-	-	-	2.6	0.2	9.9	8.1	-	-	4/	0.1	5.1	4.6	17.6	13.0
Philippines	-	-	-	-	44.5	28.9	6.6	10.2	0.7	-	7.5	8.2	1.4	1.1	60.7	48.4
Saudi Arabia	-	-	-	-	10.3	9.7	-	-	0.2	0.4	4/	4/	-	4/	10.5	10.1
Taiwan	-	-	-	-	1.3	1.2	-	-	-	-	-	-	0.2	0.2	1.5	1.4
Thailand	2.7	1.8	-	-	14.0	16.2	-	-	3.0	5.0	-	-	-	-	19.7	23.0
Other	-	-	-	-	6.7	12.2	0.3	0.9	-	-	1.6	5/1.7	-	0.3	8.6	15.1
Total	4.2	1.8	-	-	138.3	106.9	19.3	19.8	4.4	10.0	9.1	10.1	9.0	9.8	184.3	158.4
Africa:																
Algeria	-	-	11.3	12.0	0.3	0.6	-	-	-	-	-	-	-	-	11.6	12.6
Congo, Republic of	-	-	-	-	0.3	1.1	-	-	-	2.4	0.7	-	-	-	1.0	3.5
Ivory Coast, Republic	-	-	3.1	1.5	5.4	7.1	-	-	-	-	-	-	-	-	8.5	8.6
Madagascar, Republic	-	-	0.4	0.5	0.1	0.4	-	-	-	-	-	-	-	-	0.5	0.9
Senegal, Republic of	-	-	5.2	6.5	3.4	3.1	-	-	-	-	-	-	-	-	8.6	9.6
Ghana	-	-	-	-	10.4	16.2	9.9	13.0	-	-	-	0.5	-	-	20.3	29.7
Liberia	-	-	-	-	2.1	2.1	-	-	-	-	-	4/	-	-	2.1	2.1
Libya	-	-	-	-	12.0	12.1	0.6	0.5	-	3.4	-	-	-	-	12.6	16.0
Morocco	-	-	0.2	0.2	10.8	7.2	-	-	-	-	-	0.4	-	-	11.0	7.8
Nigeria	-	-	-	-	33.6	42.0	1.3	2.2	-	-	-	4/	-	-	34.9	44.2
Sierra Leon	-	-	-	-	2.8	3.7	0.4	0.1	-	-	-	-	-	-	3.2	3.8
Tanzania	-	-	-	-	3.0	3.1	1.2	0.6	-	-	-	-	-	0.1	4.2	3.8
Tunisia	-	-	0.2	0.4	4/	-	-	-	-	-	-	-	-	-	0.2	0.4
Other	-	-	0.9	1.2	6.4	6.2	2.1	1.4	-	-	0.7	-	-	0.1	10.1	8.9
Total	-	-	21.3	22.3	90.6	104.9	15.5	17.8	-	5.8	1.4	0.9	-	0.2	128.8	151.9
All other	0.1	0.1	1.1	0.5	1.2	1.9	5.4	2.5	0.7	9.6	0.2	-	3.4	3.6	12.1	18.2
Grand Total	10.1	5.6	41.5	42.1	377.1	394.0	56.7	53.4	7.4	41.7	24.4	39.2	22.0	23.7	539.2	599.7

1/ Preliminary. 2/ Exclusive of donation shipments under P.L. 480. 3/ Includes exports from Australia, Canada, and New Zealand. 4/ Less than 50,000 pounds.
5/ 1.1 million pounds to South Vietnam under Title I, P.L. 480.

UNITED STATES DEPARTMENT OF AGRICULTURE

WASHINGTON, D. C. 20250

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE

Official Business

NOTICE

If you no longer need this publication, check here ☐ return this sheet, and your name will be dropped from the mailing list.

If your address should be changed ☐ PRINT or TYPE the new address, including ZIP CODE, and return the whole sheet to:

Foreign Agricultural Service, Rm. 5918
U. S. Department of Agriculture
Washington, D. C. 20250

Table 6.--CONDENSED WHOLE MILK: Exports of major supplying countries, by destination, 1965 and 1966[1/]

Destination	Australia		Denmark		France		Netherlands		United Kingdom		United States 2/		Others 3/		Total	
	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966	1965	1966
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Western Europe:																
Belgium & Luxembourg	-	-	-	-	0.1	0.1	0.7	1.0	-	-	-	-	-	-	0.8	1.1
France	-	-	-	-	-	-	0.5	0.7	4/	4/	-	-	-	4/	0.5	0.7
Greece	-	-	-	4/	24.1	27.0	13.8	14.8	-	-	-	-	-	-	37.9	41.8
Italy	-	-	-	-	-	-	0.2	0.5	-	-	4/	-	0.1	0.1	0.3	0.6
Switzerland	-	-	0.4	0.5	-	-	3.6	3.7	-	-	-	-	-	-	4.0	4.2
United Kingdom	-	4/	0.6	0.5	-	-	0.4	0.4	-	-	-	-	-	-	1.0	0.9
Others	-	0.1	0.2	0.1	0.1	0.2	1.4	1.2	0.3	0.3	-	-	4/	0.2	2.0	2.1
Total	-	0.1	1.2	1.1	24.3	27.3	20.6	22.3	0.3	0.3	-	-	0.1	0.3	46.5	51.4
North America:																
British Honduras	4/	-	0.1	0.1	-	-	-	-	1.2	0.9	-	-	-	-	1.3	1.0
British West Indies	1.2	0.2	0.1	0.1	0.3	0.1	9.1	4.1	2.7	2.4	4/	4/	-	-	13.4	6.9
Dominican Republic	-	-	-	-	-	-	5.2	5.7	-	-	4/	4/	-	-	5.2	5.7
Fr. West Indies	-	-	-	-	6.0	5.8	-	-	-	-	4/	4/	-	-	6.0	5.8
Others	4/	-	1.1	1.0	-	-	4.1	6.0	0.1	0.3	0.4	0.2	-	-	5.7	7.5
Total	1.2	0.2	1.3	1.2	6.3	5.9	18.4	15.8	4.0	3.6	0.4	0.2	-	-	31.6	26.9
South America:																
Bolivia	-	-	0.1	-	-	-	1.2	1.2	-	-	-	-	-	-	1.3	1.2
Guyana	0.6	0.3	-	-	-	-	1.8	2.0	0.4	0.4	-	4/	-	-	2.8	2.7
Peru	-	4/	4/	-	-	-	0.2	0.7	-	-	-	-	-	-	0.2	0.7
Venezuela	-	-	0.3	0.2	-	-	5.0	3.6	-	-	-	-	-	-	5.3	3.8
Chile	-	-	0.1	-	-	0.2	2.6	4.1	-	-	-	-	-	-	2.7	4.3
Others	4/	-	0.5	0.4	0.8	1.0	0.8	0.6	4/	-	-	4/	-	-	2.1	2.0
Total	0.6	0.3	1.0	0.6	0.8	1.2	11.6	12.2	0.4	0.4	-	-	-	-	14.4	14.7
Asia:																
Burma	12.4	7.1	1.0	-	6.5	13.9	37.2	16.0	5.7	-	-	-	-	-	62.8	37.0
Ceylon	0.8	0.4	3.4	5.1	0.2	0.3	14.2	11.5	4/	3.4	-	-	-	-	18.6	20.7
Hong Kong	0.1	0.2	0.3	-	-	0.1	19.2	17.6	4/	4/	0.3	0.9	0.1	0.3	20.0	19.1
India	4/	-	-	0.2	-	-	0.4	0.3	4/	4/	-	-	-	-	0.4	0.5
South Vietnam	4/	0.1	-	-	-	-	-	-	-	-	5/60.8	5/90.9	-	-	60.8	91.0
Indonesia	2.8	0.3	0.2	0.6	-	-	1.3	2.0	-	-	-	-	0.1	0.5	4.4	3.4
Malaysia	33.0	21.4	7.8	-	0.6	1.6	43.2	19.7	28.2	14.6	-	4/	1.1	1.5	113.9	58.8
Philippines	1.3	2.4	0.1	0.1	0.2	-	9.6	3.9	-	4/	4/	4/	6.3	8.0	17.5	14.4
Thailand	2.5	1.5	10.8	7.1	5.3	5.1	60.0	41.2	-	-	0.1	-	4.5	5.8	83.2	60.7
Cambodia	-	-	-	-	0.3	0.6	6.5	4.6	-	-	-	-	0.1	-	6.9	5.2
Laos	-	-	0.1	1.2	-	-	-	0.4	-	-	1.1	-	-	-	1.2	1.6
Others	0.2	0.4	0.4	8.0	5.7	2.8	5.4	6.4	4/	0.4	0.4	0.4	0.4	-	12.5	18.4
Total	53.1	33.8	24.1	22.3	18.8	24.4	197.0	123.6	33.9	18.4	62.7	92.2	12.6	16.1	402.2	330.8
Africa:																
Algeria	-	-	-	-	26.9	31.7	0.7	2.0	-	-	-	-	-	-	27.6	33.7
Congo, Republic of	-	-	-	-	-	-	1.2	4.9	-	-	0.9	-	-	4/	2.1	4.9
Morocco	-	-	-	-	4.5	4.0	4.6	4.0	-	-	-	-	-	-	9.1	8.0
Ivory Coast, Republic of	-	-	-	-	5.7	5.9	0.7	0.6	-	-	-	-	-	0.1	6.4	6.6
Senegal, Republic of	-	-	-	-	4.1	3.6	4.1	4.6	-	-	-	-	0.1	-	8.3	8.2
Cameroun	-	-	-	-	0.4	0.3	0.5	0.5	-	-	-	-	-	-	0.9	0.8
Ghana	-	-	-	-	-	-	1.3	1.2	0.6	0.8	-	-	0.1	4/	2.0	2.0
Kenya	0.1	0.1	-	-	0.1	0.3	0.5	0.1	-	-	-	-	-	-	0.7	0.5
Madagascar, Republic of	-	-	-	-	4.6	7.7	2.2	1.4	-	-	-	-	-	-	6.8	9.1
Mauritius	1.3	1.0	-	-	-	-	0.4	0.6	-	-	-	-	-	-	1.7	1.6
Portuguese E. Africa	-	-	-	-	-	-	8.9	9.9	-	-	-	-	-	-	8.9	9.9
Reunion	-	-	-	-	3.6	4.1	0.1	-	-	-	-	-	-	-	3.7	4.1
Rhodesia	0.3	0.2	-	-	-	-	0.8	0.1	4.6	-	-	-	-	-	5.7	0.3
Tanzania	0.9	0.5	-	-	-	1.0	1.0	2.0	0.1	4/	-	-	-	-	2.0	3.5
Tunisia	-	-	0.4	-	1.7	2.7	2.0	1.4	-	-	-	-	-	-	4.1	4.1
South Africa, Republic of	0.1	-	-	-	-	-	0.2	-	-	-	-	-	-	-	0.3	-
Others	4/	0.3	0.5	1.0	2.8	2.2	16.8	19.3	0.5	2.1	1.0	0.4	4/	0.2	21.6	25.5
Total	2.7	2.1	0.9	1.0	54.4	63.5	46.0	52.6	5.8	2.9	1.9	0.4	0.2	0.3	111.9	122.8
All others	4.0	4.4	0.4	0.3	0.1	0.6	1.0	1.1	0.4	0.5	0.2	0.1	-	0.4	6.1	7.4
Grand Total	61.6	40.9	28.9	26.5	104.7	122.9	294.6	227.6	44.8	26.1	65.2	92.9	12.9	17.1	612.7	554.0

1/ Preliminary. 2/ Exclusive of donation shipments under PL 480. 3/ Includes exports from New Zealand and Switzerland. 4/ Less than 50,000 pounds. 5/ All or practically all under Title I, P.L. 480.

rve
+3
17

FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE
Foreign Agricultural Service Washington D.C.

U. S. DEPT. OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
NOV 5 1968
CURRENT SERIAL RECORDS

Dairying
FD 4-67
September 1967

WORLD BUTTER PRODUCTION DOWN, CHEESE OUTPUT UP IN 1966

Total world butter production in 1966 is estimated at 11.5 billion pounds, a decline of about 2 percent from the 11.7 billion pounds produced in 1965. Compared with the 1956-60 average, production was up 14 percent.

In Western Europe, butter output was 3.9 million pounds, a moderate increase over the previous year, while in Eastern Europe, butter production is estimated at 3.5 billion pounds--virtually unchanged from 1965.

After a long series of continuous annual increases, West Germany's output of butter remained unchanged from the 1965 level of 1.1 billion pounds. France's butter production rose substantially, reflecting the upward trend in French milk production that has been stimulated by the EEC's milk price policy and the resultant higher prices paid French producers.

In Denmark, butter production fell by 4 percent because of lower returns to farmers in comparison with cheese production. Increasing demand for fluid milk in the United Kingdom reduced availability for butter. Oceania's butter output in 1966 increased by 4 percent. South America's production declined by 2 percent, and in North America, production dropped 13 percent below the 1965 level.

Creamery butter production in 33 countries is estimated at 9.5 billion pounds, slightly below the 1965 level but 23 percent above the 1956-60 average. In Western Europe, output increased by 2 percent, mainly because of France's increased production totaling 86 million pounds. In the Netherlands, butter production declined from a year ago, while in Belgium, milk deliveries to plants continued to increase, making additional quantities available for the manufacture of butter.

In the U.S.S.R., the world's largest producer of creamery butter, output in 1966 is estimated at 2.3 billion pounds, down from the 1965 level but nearly 60 percent above the 1956-60 average. Increasing cow numbers and more adequate feed supplies brought about the upward trend in production. In New Zealand, output of creamery butter was up for the fifth consecutive year.

South America's production decreased by 3 percent. Argentina showed a slight increase in production, but Brazil--another major producer--reported a sharp decline.

In Canada, creamery butter output in 1966 was about the same as in the previous year. In the United States, production was down 16 percent because of the greater than usual decline in milk cow numbers and below average gain in output per cow. Also, more milk was channeled into cheese production in both the United States and Canada.

Total cheese production in 32 countries in 1966 is estimated at 8.3 billion pounds--up 6 percent from the 1965 level and approximately 30 percent above the 1956-60 average. Production of 4.5 billion pounds in Western Europe accounted for more than half of the total production in 1966. In Oceania, total cheese output increased by 4 percent. In South America, production was up 5 percent, and in North America, almost 8 percent.

Factory cheese production in 1966 in 28 countries is estimated at 6.8 billion pounds--5 percent above that of the preceding year and 33 percent above the average for 1956-60.

In Western Europe, output increased by 4 percent over the previous year's, and in Eastern Europe, production was 2 percent above the 1965 level. Output in Oceania increased by 4 percent, with all of the increase coming from Australia. Factory cheese production in North America increased by 8 percent over the 1965 level. In Canada, the rise was 12 percent; in the United States, about 8 percent.

World cheese production generally expanded as demand for that product continued strong during 1966. With red meat prices remaining under strong pressures, cheese prices have remained relatively firm. Over the past two years, some of the major milk producing countries in Europe have been confronted with the problem of increasing butter stocks. To the extent feasible, attempts are being made to shift more milk into output of cheese.

Butter: World Production, Average 1956-60, Annual 1965 and 1966

Continent and country	Average 1956-60		1965		1966 1/	
	Factory	Total	Factory	Total	Factory	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
North America:						
Canada	320	332	342	346	339	342
United States	1,385	1,484	1,337	1,357	1,119	1,135
South America:						
Argentina 2/	130	130	96	96	99	99
Brazil 3/	67	111	65	109	60	100
Chile	7	14	12	17	14	17
Colombia	14	24	22	37	3/ 22	3/ 37
Peru	--	5	--	7	--	7
Uruguay	5	12	5	13	--	13
Venezuela 2/	9	9	10	10	9	9
Europe:						
Austria	65	82	81	94	83	94
Belgium	107	195	130	178	132	176
Denmark	367	367	366	366	353	353
Finland	169	181	219	224	220	224
France	509	760	3/ 794	3/ 981	880	1,040
Germany, West	773	836	1,067	1,105	1,070	1,105
Greece 4/	--	23	--	29	--	32
Ireland	100	143	129	148	135	145
Italy	--	143	--	146	--	160
Luxembourg 2/	10	10	11	11	12	12
Netherlands	187	187	228	228	220	220
Norway	33	41	39	43	42	46
Portugal	6	6	2	2	2	2
Sweden	184	186	175	175	164	165
Switzerland	68	68	74	74	76	76
United Kingdom	63	85	81	86	72	79
Bulgaria 2/	16	16	3/ 26	3/ 26	3/ 29	3/ 29
Czechoslovakia 2/	120	120	3/ 184	3/ 184	3/ 185	3/ 185
Germany, East 2/	349	349	3/ 434	3/ 434	3/ 440	3/ 440
Hungary 2/	33	33	38	38	3/ 40	3/ 40
Poland 2/	184	184	231	231	3/ 235	3/ 235
Romania 2/	20	20	3/ 48	3/ 48	3/ 50	3/ 50
U.S.S.R. 2/	1,460	5/ 1,777	2,365	2,610	2,297	2,551
Africa:						
Kenya 2/	12	12	10	10	7	7
South Africa, Rep.of 6/	85	93	83	86	84	87
Oceania:						
Australia	424	431	450	452	480	481
New Zealand	471	478	550	557	554	560
Total	7/ 7,752	8/ 10,100	7/ 9,704	8/ 11,700	9,524	11,500

1/ Preliminary. 2/ Creamery butter only. 3/ Estimated. 4/ Made from the milk of cows, buffalos, sheep, and goats. 5/ Less than a 5-year average. 6/ Years ending September 30. 7/ Total factory production in above countries. 8/ World total butter production estimated on basis of change in production in countries shown, which represents more than three-fourths of total production.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

Cheese: 1/ Production in Specified Countries, Average 1956-60, Annual 1965 and 1966

Continent and country	Average 1956-60		1965		1966 2/	
	Factory	Total	Factory	Total	Factory	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
North America:						
Canada	109	110	173	174	194	195
United States	1,411	1,411	1,743	1,743	1,874	1,874
South America:						
Argentina 3/	263	263	306	306	340	340
Brazil 4/	86	132	97	154	100	150
Chile	20	28	20	33	19	33
Colombia	75	107	103	147	105	148
Peru	--	19	--	23	--	23
Uruguay	8	19	9	18	--	19
Europe:						
Austria	44	48	70	74	75	79
Belgium	39	42	79	82	81	84
Denmark	229	229	253	253	276	276
Finland	58	58	83	83	81	81
France 5/	816	900	4/ 1,111	4/ 1,162	1,210	1,255
Germany, West 3/	342	342	332	332	308	308
Greece 6/	--	170	--	223	--	4/ 250
Ireland 3/	7	7	36	36	38	38
Italy 5/	--	821	--	926	--	980
Netherlands	386	411	470	485	497	507
Norway 7/	79	80	99	100	105	105
Portugal 3/	5	5	8	8	9	9
Sweden	115	115	129	129	130	130
Switzerland 7/	136	140	171	171	176	176
United Kingdom	214	226	233	254	221	240
Bulgaria 3/ 8/	84	84	4/ 141	4/ 141	4/ 143	4/ 143
Czechoslovakia 3/	82	82	4/ 114	4/ 114	115	115
Germany, East 3/	71	71	4/ 101	4/ 101	102	102
Hungary 3/	21	21	35	35	37	37
Poland 3/	33	33	4/ 52	4/ 52	55	55
Romania 3/	70	70	4/ 122	4/ 122	125	125
Africa: 3/ 9/						
South Africa, Rep.of	28	28	31	31	33	33
Oceania:						
Australia	95	95	130	130	143	143
New Zealand	211	211	230	230	230	230
Total						
Total	5,137	6,378	6,481	7,872	6,822	8,283

1/ Whole milk cheese made from cows' milk, unless otherwise noted. 2/ Preliminary. 3/ Factory production only. 4/ Estimated. 5/ Made from the milk of cows, sheep, and goats. 6/ Made from the milk of cows, buffalos, sheep, and goats. 7/ Made from the milk of cows and goats. 8/ Made from the milk of cows and sheep. 9/ Years ending September 30.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, and reports of U.S. Agricultural Attaches and Foreign Service Officers.

.943
F117
cop.2

FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE
Foreign Agricultural Service Washington D.C.

U.S. DEPT. OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
SEP 11 1967
CURRENT SERIAL RECORDS

Dairying
FD 3-67
August 1967

U.S. DAIRY EXPORTS DOWN; IMPORTS UP IN 1966

SUMMARY

Exports of U.S. dairy products (based on a whole milk equivalent basis) declined for the second consecutive year. The total quantity of dairy products exported in 1966 amounted to nearly 1 billion pounds, or approximately half of the 2.1 billion pounds exported during the previous year. There was a sharp decline in exports of butter and other high milk fat products; shipments of nonfat dry milk likewise were off sharply compared with 1965.

Milk production in Western Europe increased by about 2 percent in 1966, compared with the previous year's, and considerably more milk was available for manufactured products; therefore, the usual import requirements for butter and nonfat dry milk in that area were supplied by increased domestic production.

Lower U.S. production, reduced European import requirements, depletion of CCC-owned stocks of dairy products, and discontinuance of the dairy export program, brought about a sharp reduction in overall U.S. exports of butter and nonfat dry milk.

Dairy product imports into the United States in 1966 totaled $117 million (including butterfat/sugar mixtures valued at about $25 million), an increase of about $44 million or 60 percent over the 1965 level. Cheese accounted for 51 percent of the value of all dairy product imports. Casein, used primarily for industrial purposes, and butterfat/sugar mixtures, were the other important products imported. Butterfat/sugar mixtures are entered under various trade names and are not recorded by the Bureau of Census under a dairy product classification or schedule number, but under a miscellaneous food product category.

Butter

Total exports of butter (including the butter equivalent of anhydrous milk fat, butter oil and ghee) totaled 13.7 million pounds in 1966, a sharp decline from the 65.7 million pounds exported during the previous year. A substantial decline in the U.S. butter production, depletion of CCC stocks and discontinuance of the special sales program for dairy products accounted for the reduced exports. Also, import requirements in EEC countries were negligible, as domestic production in that area was up sharply.

In Latin America, Chile and Peru continued to be the largest markets for butter and other high-milk-fat products while in Asia the important markets were Korea, Vietnam, and Japan.

Cheese

Total exports of cheese to 54 countries in 1966 amounted to 6 million pounds--a decline of 12 percent from the 1965 export level. As was the case in the past few years, U.S. commercial shipments of Cheddar and processed cheese were marketed in the Western Hemisphere, particularly Canada and Panama.

Dry Milk

Exports of nonfat dry milk in 1966 totaled 388 million pounds--a decline of 475 million pounds or 55 percent of the export level of the previous year. Dollar sales in 1966 declined to about one-tenth of the 1966 level. A substantially increased production in the EEC countries--by far the most important market for nonfat dry milk--combined with a sharply reduced availability in the United States was primarily responsible for the decline in our exports during the past year. Shipments under the Payment-In-Kind Program were discontinued in early March of 1966. Commercial exports of nonfat dry milk were necessarily limited because CCC stocks were virtually exhausted before the end of 1965 and nonfat milk production in 1966 was down 20 percent from the previous year's level.

Total exports of dry whole milk in 1966 to 56 countries amounted to 15.6 million pounds--a 16 percent decline from the previous year. Japan was our most important market, taking 6.6 million pounds, followed by Venezuela, which imported 1.7 million pounds.

Canned Milk

Exports of evaporated milk increased to nearly 40 million pounds from 25 million pounds the previous year--an increase of 15 million pounds or 60 percent. Shipments to Mexico accounted for most of the gain during 1966. Condensed milk exports rose to 93 million pounds--an increase of 28 million pounds, or 43 percent over the 1965 shipments. The bulk of the exports consisted of condensed milk shipped to Vietnam under PL 480, Title I.

IMPORTS

The value of U.S. dairy imports including casein in 1966 is estimated at $92 million--an increase of $19 million or 26 percent over the 1965 level. Cheese accounted for the major portion of the increase.

Denmark displaced Italy as the No. 1 supplier of cheese, accounting for 17 percent of total U.S. imports. New Zealand, Italy, France, and Switzerland were other important suppliers. Imports of Colby cheese--a non-quota variety--increased from 14 million pounds in 1965 to 46 million pounds in 1966. Swiss and Pecorino cheeses were other varieties imported in larger quantities during 1966. Imports of butterfat/sugar mixtures, a product prepared mainly for use in ice cream, with a butterfat content just under the maximum stipulated in the quota limitation, jumped from 3.5 million pounds, valued at $825 thousand in 1965 to an alltime record of 106 million pounds, valued at about $25 million.

The Secretary of Agriculture in March 1966 recommended to the President that action be taken to reduce the volume of dairy products being imported. He recommended that the President direct the Tariff Commission to undertake an investigation under Section 22 of the Agricultural Adjustment Act, as amended, with the possibility of establishing import quotas on certain dairy products not subject to quotas. In May 1967, the Tariff Commission held hearings regarding increased imports of butterfat/sugar mixtures and Colby cheese.

Following completion of the Tariff Commission investigation and report, President Johnson issued a proclamation reducing by one-fourth the present volume of dairy imports and placing import quotas on a number of dairy products for the first time. In July of 1967, the U.S. Department of Agriculture announced licensing procedures and country allocations for new cheese quotas amounting to 16 million pounds. This quantity includes an increase in the previous Cheddar cheese quota of about 6 million pounds, as well as a new quota of about 6 million pounds for Colby and other American-type cheese, and a separate quota of 1.2 million pounds for Cheddar cheese made from unpasteurized milk and aged nine months or more. The importation of butterfat/sugar mixtures will be restricted to 2.6 million pounds annually, while frozen cream imports will be limited to 1.5 million gallons annually.

Imports of casein in 1966 amounted to 108 million pounds--an increase of 16 million or 17 percent over the 1965 import level. This product is used almost entirely for industrial purposes. New Zealand, Argentina and Australia were the leading suppliers of casein.

Table 1.--DAIRY PRODUCTS: U.S. exports of specified products, by type of shipments, 1964-66

Commodity and Year	Total exports 1/	Public Law 480					AID programs 2/	Government-to-government sales 3/	Sales for dollars 4/
		Title I	Title II	Title III		Title IV			
		Sales for foreign currency	Donations	Donations	Barter	Long-term credit sales			
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
BUTTER: 5/									
1964	297,283	4,081	9,243	135,284	12,572	2,233	1,278	-	132,592
1965	65,754	2,733	2,011	7,027	-	-	2,132	-	51,851
1966 6/	13,693	973	-	218	1,631	-	24	-	10,847
CHEESE:									
1964	9,086	1,058	-	266	-	-	24	807	6,931
1965	6,831	220	-	4	-	-	-	-	6,607
1966 6/	6,002	-	-	50	-	-	2	-	5,950
CANNED MILK:									
1964	100,550	62,442	-	427	-	-	76	-	37,605
1965	90,500	67,852	-	-	-	-	272	-	22,376
1966 6/	132,664	91,937	-	-	-	-	606	-	40,121
DRY WHOLE MILK:									
1964	13,898	1,054	-	-	-	44	52	-	12,748
1965	18,497	3,996	-	-	-	-	226	-	14,275
1966 6/	15,584	339	-	-	-	-	1,600	-	13,645
NONFAT DRY MILK:									
1964	1,310,902	16,871	40,125	476,439	37,899	-	303	152,841	586,424
1965	863,074	17,231	30,271	442,692	608	-	26	124,701	247,545
1966 6/	387,684	3,730	92,441	217,342	1,359	-	7/	41,041	31,771

1/ Data from Bureau of Census, U.S. Department of Commerce. 2/ Includes expenditures under commodity (non-project) programs and economic development loans. 3/ Sales at concessional prices for restricted uses, mainly school lunch programs. 4/ Includes products moved into export under special sales programs. 5/ Includes butter equivalent of anhydrous milk fat, butter oil, and ghee. 6/ Preliminary. 7/ If any, included under sales for dollars.

Table 2.--BUTTER AND CHEESE: U.S. exports by country of destination, 1964-66

Country of destination	BUTTER 1/						CHEESE					
	Total exports including donation shipments			Commercial exports 2/			Total exports including donation shipments			Commercial exports 2/		
	1964	1965	1966 3/	1964	1965	1966 3/	1964	1965	1966 3/	1964	1965	1966 3/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:												
Canada	352	26	4	352	20	4	1,588	1,892	1,430	1,588	1,892	1,393
Guatemala	466	4/	-	2	4/	-	70	122	83	70	122	83
Mexico	5,867	11	113	1	11	113	10	27	69	10	27	68
El Salvador	1,259	299	-	-	-	-	77	40	47	77	40	47
British Honduras	254	-	-	-	-	-	209	220	112	209	220	112
Honduras	231	1	3	3	1	3	30	11	19	30	11	19
Panama, Rep. of	223	96	-	69	96	-	1,148	1,185	1,039	1,148	1,185	1,039
Panama Canal Zone	-	-	-	-	-	-	128	-	-	128	-	-
Bahamas	315	246	174	315	246	173	261	264	531	261	264	531
Bermuda	150	52	12	150	51	12	93	117	149	93	117	149
Haiti	477	34	2	127	34	2	74	84	49	72	84	49
Dominican Republic	3,957	44	24	92	27	-	69	39	88	69	39	88
Netherlands Antilles	22	6	20	22	4	11	253	203	119	253	203	119
Jamaica	3,546	549	112	1,359	344	112	119	129	111	119	129	111
Leeward & Windward Is.	114	-	9	3	-	9	25	11	24	25	11	24
Nicaragua	1,500	114	-	229	114	-	1	7	21	1	7	21
Costa Rica	745	716	-	245	-	-	11	67	23	11	67	23
South America:												
Colombia	4,489	-	1	-	-	1	102	10	18	25	10	16
Ecuador	1,808	-	-	-	-	-	18	6	4	18	6	4
Peru	10,251	3,461	922	8,338	3,423	922	93	85	110	93	85	110
Chile	8,853	4,036	1,779	7,376	2,742	1,779	77	-	2	-	-	2
Venezuela	7,534	60	-	53	60	-	660	635	223	660	635	223
Brazil	18,946	834	-	-	-	-	-	-	-	-	-	-
Bolivia	2,617	-	-	-	-	-	-	-	4	-	-	4
Trinidad & Tobago	521	24	1	512	24	1	28	34	49	4	34	49
Paraguay	547	-	-	-	-	-	-	-	-	-	-	-
Uruguay	128	-	-	-	-	-	-	-	-	-	-	-
Europe:												
United Kingdom	10,074	4/	-	10,074	4/	-	122	83	63	122	83	63
Spain	302	3,011	-	302	1	-	-	23	8	-	23	8
Portugal	1,752	-	-	1,752	-	-	2	1	7	2	1	7
France	20,568	14,510	-	20,553	14,510	-	1	1	2	1	1	2
Belgium	16,337	5,177	-	16,337	5,177	-	38	1	4	38	1	4
Germany, West	5,421	4,692	-	5,421	4,692	-	1	10	16	1	10	4
Italy	7,403	118	900	5,283	118	900	807	24	5	807	24	5
Poland	22,580	4,291	-	12,938	4,250	-	-	-	-	-	-	-
Trieste	194	-	-	-	-	-	-	-	-	-	-	-
Yugoslavia	5,220	29	-	-	-	-	-	-	-	-	-	-
Greece	3,252	606	1	-	-	1	-	5	3	-	5	3
Sweden	697	4/	1	697	4/	1	1	10	16	1	10	16
Netherlands	6,713	81	-	6,713	81	-	48	88	119	48	88	119
Switzerland	2,764	1,594	1	2,764	1,594	1	-	-	-	-	-	-
Germany, East	7,517	2,895	-	7,517	2,895	-	-	-	-	-	-	-
Asia:												
Malaysia 5/	832	845	214	5	845	214	6	6	1	6	6	1
Turkey	2,593	-	-	794	-	-	-	-	-	-	-	-
Israel	2,197	2,459	-	2,060	2,459	-	6	3	6	6	3	6
Jordan	249	-	-	6	-	-	12	4	2	12	2	2
Iran	4,735	1,341	296	1,958	926	110	11	7	5	11	7	5
Pakistan	5,238	427	14	1,100	202	14	23	7	55	23	7	55
India	20,987	898	-	-	4	-	6	9	25	6	9	25
Thailand	164	270	261	164	270	261	3	3	13	3	3	13
Vietnam	734	811	2,905	124	684	2,905	10	5	22	10	5	22
Hong Kong	372	-	27	230	-	27	30	9	7	30	9	7
Taiwan	1,121	72	152	182	72	152	-	-	4	-	-	4
Korea	2,891	2,154	2,050	2,733	2,138	2,050	10	5	9	8	5	9
Japan	1,158	1,320	1,056	1,158	1,320	1,056	169	189	390	169	189	390
Philippines, Rep. of	1,929	1,567	194	1,851	1,347	194	306	284	223	198	282	223
Nansei Islands	1,842	1,187	1,557	1,835	1,187	1,557	144	169	208	144	169	208
Lebanon	484	447	1	484	447	1	64	89	84	64	89	84
Laos	603	-	-	-	-	-	-	-	-	-	-	-
Syria	118	141	-	22	-	-	-	-	-	-	-	-
Africa:												
Algeria	16,977	-	-	4,200	-	-	-	-	-	-	-	-
Morocco	4,739	513	21	238	1	-	-	-	-	-	-	-
Liberia	174	47	6	17	10	5	39	31	37	39	31	37
Tunisia	2,219	1,873	-	441	938	-	-	-	-	-	-	-
Libya	21	4	-	21	4	-	12	16	27	12	16	27
Egypt	10,108	-	57	3,432	-	57	1,465	4	1	1,465	4	1
Guinea	13	-	341	-	-	341	-	221	-	-	221	-
Congo, Republic of	50	323	2	50	321	2	33	16	-	33	16	-
Nigeria	123	18	5	123	18	5	11	17	41	11	17	41
South Africa, Rep. of	18,411	354	-	18,411	354	-	373	2	32	373	2	32
Burundi-Rwanda	-	1	59	-	-	59	-	-	-	-	-	-
Ghana	231	2	-	1	2	-	4	5	10	4	5	10
Sierra Leone	545	303	-	-	-	-	-	-	-	-	-	-
Togo	175	-	-	-	-	-	-	-	-	-	-	-
Fr. Somaliland	80	-	-	-	-	-	-	-	-	-	-	-
Malagasy Republic	600	1	-	-	-	-	-	-	-	-	-	-
All others	8,600	762	396	239	520	396	185	296	233	185	296	233
Grand total	297,283	65,754	13,693	151,478	54,584	13,451	9,086	6,831	6,002	8,796	6,827	5,950

1/ Includes butter equivalent of anhydrous milk fat, butter oil, and ghee. 2/ In addition to dollar sales, includes exports under Title I (sales for foreign currencies and long-term credit) barter agreements, government-to-government sales (mainly for school lunch programs) and products sold for export under special sales programs. 3/ Preliminary. 4/ Less than 500 pounds. 5/ Includes shipments to Singapore.

Table 3.--DRIED MILK: U.S. exports by country of destination, 1964-66

Country of destination	Nonfat dry milk						Dried whole milk					
	Total exports including donation shipments			Commercial exports 1/			Total exports including donation shipments			Commercial exports 1/		
	1964	1965	1966 2/	1964	1965	1966 2/	1964	1965	1966 2/	1964	1965	1966 2/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:												
Canada	5,586	9,088	399	5,551	9,088	399	706	442	458	706	442	458
Mexico	45,130	31,180	4,943	23,344	25,735	4,929	315	762	967	315	762	967
Guatemala	10,075	2,959	4,189	601	511	284	224	18	51	224	18	51
El Salvador	7,183	4,773	3,103	480	982	370	120	-	14	120	-	14
British Honduras	246	168	305	6	6	-	-	1	21	-	1	21
Honduras	1,861	1,369	642	75	91	3/	2	58	108	2	58	108
Nicaragua	3,490	3,086	2,452	1	153	3/	275	56	50	275	56	50
Costa Rica	1,164	1,999	1,375	453	50	3/	-	6	11	-	6	11
Panama, Republic of	2,175	2,559	1,399	24	119	3/	11	39	34	11	39	34
Panama Canal Zone	500	-	-	-	-	3/	-	-	-	-	-	-
Bahamas	277	227	20	277	225	3/	81	26	69	81	26	69
Bermuda	288	97	72	288	97	72	-	-	2	-	-	2
Cuba	-	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	13,359	10,872	8,559	100	-	3/	23	13	64	23	13	52
Haiti	4,575	2,681	1,124	28	74	3/	68	6	18	68	6	18
Jamaica	3,681	4,294	1,463	13	40	57	12	6	16	12	6	16
Leeward & Windward Islands	912	1,015	884	-	-	550	-	4	1	-	4	1
Netherlands Antilles	495	508	344	495	508	344	11	10	9	11	10	9
French West Indies	-	51	53	-	-	-	-	-	-	-	-	-
South America:												
Colombia	25,022	24,674	3,885	94	92	-	2	2	43	2	2	43
Ecuador	12,423	3,331	1,343	-	86	-	3	-	-	3	-	-
Peru	16,061	14,112	10,539	2,072	2,755	751	147	214	80	147	147	80
Chile	23,261	25,561	11,177	-	3,682	370	34	5	3	-	5	-
Venezuela	14,409	8,698	3,046	4,516	489	342	4,118	3,998	1,723	4,118	3,998	1,723
Brazil	77,195	80,796	42,885	11,248	32,750	6,986	2	70	-	2	70	-
Bolivia	4,308	1,599	664	313	-	3/	754	229	3	754	168	3
Paraguay	697	1,289	1,542	-	-	-	-	2	-	-	2	-
Argentina	-	-	-	-	-	-	3	-	261	3	-	261
Uruguay	2,604	1,933	1,453	-	-	-	-	-	-	-	-	-
British Guiana	1,322	871	947	11	26	-	-	-	-	-	-	-
Surinam	624	844	228	1	-	-	-	-	2	-	-	2
Trinidad and Tobago	1,520	768	6	10	-	3/	-	6	4	-	3	2
Europe:												
United Kingdom	15,637	308	124	15,423	308	124	5	37	28	5	37	28
Spain	21,570	29,709	5,168	3,830	847	3/	4	24	15	4	24	15
Portugal	6,980	9,595	2,564	-	2	671	16	9	14	16	9	14
Netherlands	305,626	120,311	597	304,672	120,311	597	2,675	2,655	1	2,675	2,655	1
Belgium	18,469	378	1,072	18,469	378	146	301	1	30	301	1	30
France	2,389	133	48	2,349	129	-	-	-	-	-	-	-
Denmark	60,499	117	41	60,499	117	40	192	8	1	192	8	1
Germany, West	5,514	2,203	-	5,514	2,203	-	1	447	13	1	447	13
Italy	69,747	8,499	4,600	65,018	4,322	4,600	886	86	5	86	886	5
Austria	441	565	9	441	565	3/	-	-	-	-	-	-
Poland	18,494	7,026	3,694	190	-	-	44	-	-	44	-	-
Trieste	3,181	54	-	3,181	-	-	-	-	-	-	-	-
Yugoslavia	30,616	32,837	2,388	17,401	20,432	-	-	107	-	-	107	-
Greece	2,947	4,267	2,201	107	30	3/	-	4	-	-	4	-
Sweden	-	148	249	-	148	249	5	-	162	5	-	162
Switzerland	26,276	2,794	-	26,276	2,794	-	242	79	-	242	79	-
Hungary	16,892	-	5	16,892	-	5	-	-	5	-	-	5
Cyprus	208	200	37	20	-	-	-	-	-	-	-	-
Asia:												
Turkey	13,362	15,473	12,026	2	-	-	1	-	-	1	-	-
Syria	435	2,268	9	-	224	-	-	1	-	-	1	-
Lebanon	808	1,574	1,385	395	88	270	2	6	3	2	6	3
Israel	11,945	10,612	491	11,175	9,896	-	-	-	-	-	-	-
Jordan	529	1,468	553	27	-	-	-	-	-	-	-	-
Iraq	2,832	1,087	482	1,333	238	3/	-	5	1	-	5	1
Arabian States	63	175	113	47	152	110	12	48	54	12	48	54
Iran	6,331	5,838	3,955	1,759	-	633	263	203	816	263	203	816
Afghanistan	597	1,186	1,178	-	-	211	7	2	-	7	2	-
Pakistan	23,015	20,437	2,371	9,137	1,918	-	116	65	17	116	65	17
India	64,683	66,045	82,032	1,599	-	-	6	113	3	6	113	3
Ceylon	7,820	8,956	1,546	-	67	-	13	73	74	13	73	74
Burma	1,096	1,161	1,817	-	-	-	-	-	-	-	-	-
Malaysia	2,387	2,916	477	106	-	227	55	92	145	55	92	145
Thailand	921	1,783	1,491	413	268	257	4	-	3	4	-	3
Vietnam	5,238	3,873	24,800	-	903	3,730	725	598	809	712	574	540
Hong Kong	2,436	1,391	1,142	988	538	55	108	52	4	108	52	4
Taiwan	9,632	9,605	4,729	-	683	-	43	-	86	38	-	86
Korea	18,726	21,707	12,844	6,433	5,246	700	10	12	-	10	12	-
Japan	145,524	118,170	36,694	145,304	118,170	36,694	1,017	3,271	6,566	1,017	3,271	6,566
Indonesia	18,293	1,700	1,639	-	-	-	14	21	13	14	21	13
Philippines, Republic of	41,619	35,833	29,330	18,227	14,172	6,571	50	412	395	50	412	395
Laos	156	420	50	-	-	-	98	66	-	98	-	-
Ryukyu Islands	6,135	7,668	4,689	2,814	2,983	3,062	26	73	152	26	73	152
Africa:												
Morocco	3,266	1,729	2,230	5	-	-	-	-	1	-	-	1
Fr. West Africa 4/	2,297	4,207	1,646	-	20	-	-	-	-	-	-	-
Br. East Africa 5/	3,718	4,776	7,880	295	-	-	-	-	1	-	-	1
Liberia	318	349	464	50	47	-	-	9	13	-	9	13
Algeria	4,897	-	-	-	-	-	-	-	-	-	-	-
Ghana	2,218	3,042	1,394	1	-	-	-	5	-	-	5	-
Nigeria	3,136	4,320	1,608	346	123	-	1	50	82	1	50	82
Tunisia	2,614	3,608	1,924	-	-	-	-	2	-	-	2	-
Libya	37	32	82	37	32	-	7	-	4	7	-	4
Congo, Republic of	710	5,488	842	-	680	3/	625	1,401	1,699	625	1,401	400
Fed. of Rhodesia & Nyasaland	175	189	3	175	189	-	-	-	-	-	-	-
South Africa, Rep. of	1,823	2,760	3,154	1,663	1,973	3,154	-	-	-	-	-	-
Egypt	8,476	23,467	3,095	892	1,080	-	7	633	-	7	633	-
Ethiopia	517	1,074	774	-	-	-	-	-	-	-	-	-
All others	6,188	6,141	4,956	529	250	340	206	1,054	357	206	1,049	342
Grand Total	1,310,902	863,074	387,683	794,035	390,085	77,901	13,898	18,497	15,584	13,846	18,271	13,984

1/ In addition to dollar sales, includes exports under Title I (sales for foreign currencies and long-term credit) barter agreements, government-to-government sales (mainly for school lunch programs) and products sold for export under special sales programs. 2/ Preliminary. 3/ Less than 500 pounds.
4/ Includes countries formerly part of French West Africa. 5/ Includes countries formerly part of British East Africa.

Table 4.--CANNED MILK: U. S. exports by country of destination, 1964-66

Country of destination	Evaporated milk						Condensed milk					
	Total exports including donation shipments			Commercial exports 1/			Total exports including donation shipments			Commercial exports 1/		
	1964	1965	1966 2/	1964	1965	1966 2/	1964	1965	1966 2/	1964	1965	1966 2/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:												
Canada	155	341	9	81	341	9	55	70	73	55	70	73
Mexico	25,504	11,882	26,667	25,321	11,882	26,667	38	268	98	38	268	98
Nicaragua	238	194	240	238	194	240	6	1	3	6	1	3
Costa Rica	5	2	-	5	2	-	2	-	-	-	-	-
Honduras	28	-	70	10	-	70	-	-	-	-	-	-
Panama, Rep. of	-	-	14	-	-	14	-	-	-	-	-	-
Bahamas	106	27	46	106	27	46	2	13	8	2	13	8
Cuba	-	-	-	-	-	-	-	-	-	-	-	-
Jamaica	139	143	210	139	143	210	8	39	13	8	39	13
Dominican Republic	105	917	189	83	917	110	18	3	32	18	3	32
South America:												
Venezuela	56	30	20	56	30	20	33	-	-	33	-	-
Colombia	185	179	23	185	179	23	3	-	-	3	-	-
Peru	5	-	35	5	-	35	-	-	-	-	-	-
Chile	84	7	8	47	1	8	8	-	-	8	-	-
Bolivia	709	3/ 235	-	633	-	-	125	3/ 31	-	125	-	-
Europe:												
Belgium	-	5	-	-	5	-	-	-	-	-	-	-
Asia:												
Arabian States	76	21	26	76	21	26	8	77	382	8	77	382
Iran	-	43	69	-	43	69	5	52	4	5	52	4
Pakistan	1,823	86	23	1,803	86	23	2,178	36	7	2,178	36	7
India	34	47	20	34	47	20	46	-	-	46	-	-
Malaysia 4/	6	40	57	-	40	57	-	-	2	-	-	2
Hong Kong	11	3	118	4	3	118	-	330	868	-	330	868
So. Vietnam	1,036	591	1,050	5/ 1,028	591	5/ 1,050	5/56,714	5/60,782	90,877	5/56,714	5/60,782	90,877
Cambodia	-	-	-	-	-	-	-	-	-	-	-	-
Philippines, Rep. of	5,723	7,479	8,171	5,723	7,479	8,171	44	28	39	44	28	39
Korea	6	27	34	3	27	34	4	-	-	4	-	-
Japan	23	41	31	23	41	31	-	3	-	-	3	-
U.S. Trust Terr.	729	649	581	729	649	581	25	13	-	25	13	-
Laos	22	-	-	22	-	-	1,668	1,124	-	1,668	1,124	-
Africa:												
Congo, Rep.of	142	739	9	142	739	-	687	873	-	687	873	-
Liberia	15	-	4	15	-	4	6	4	11	6	4	11
Guinea 6/	517	729	-	517	729	-	1,080	941	376	1,080	941	376
All other	231	214	7/ 2,055	182	214	1,537	74	564	92	74	564	92
Grand total	37,713	24,671	39,779	37,210	24,430	39,173	62,837	65,252	92,885	62,837	65,221	92,885

1/ In addition to dollar sales, includes exports under Title I (sales for foreign currencies and long-term credit) barter agreements, government-to-government sales (mainly for school lunch programs) and products sold for export under special sales programs. 2/ Preliminary. 3/ All under AID program. 4/ Includes shipments to Singapore. 5/ All or practically all shipped under Title I. 6/ Census reported shipments to French West Africa, but most went to Guinea under Title I. 7/ Of which 516,000 went to Ghana under AID.

Table 5.--DAIRY PRODUCTS (malted milk compounds, infant and dietetic foods): U.S. exports by country of destination, 1964-66

Country of destination	Malted milk compounds and mixes			Infant and dietetic foods (milk basis)		
	1964	1965	1966 1/	1964	1965	1966 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
North America:						
Canada	132	77	245	158	118	1,297
Mexico	101	61	82	1,003	408	284
Guatemala	64	123	51	420	265	182
El Salvador	10	6	4	180	179	203
Honduras	12	29	21	144	147	179
Nicaragua	7	4	4	264	155	167
Costa Rica	-	3	1	217	194	223
Panama, Republic of	109	132	117	416	351	275
Panama Canal Zone	-	-	-	-	-	-
Dominican Republic	38	9	11	621	627	2/ 471
Haiti	4	42	9	66	67	59
Netherlands Antilles	72	57	51	91	75	57
Jamaica	45	17	31	329	1,437	626
South America:						
Colombia	5	1	4	280	9	2/ 27
Ecuador	7	5	3	263	294	276
Peru	5	2	20	749	674	920
Bolivia	9	10	13	142	2/ 65	18
Chile	2	-	-	2/ 133	2/ 273	2/ 365
Venezuela	70	26	93	3,351	2,291	98
Uruguay	-	-	-	77	83	43
Argentina	-	-	-	2/ 208	-	2
Europe:						
United Kingdom	-	-	-	8	9	14
Belgium	72	110	69	18	21	15
Germany, West	-	-	-	2	3	11
Italy	-	3	1	960	-	215
Greece	3	1	-	2/ 119	140	193
Asia:						
Lebanon	2	1	-	81	72	97
Arabian States	-	1	1	259	339	300
Iraq	-	1	-	284	235	155
Iran	4	7	5	580	409	700
India	3	-	-	-	1	-
Burma	-	-	-	39	8	2
Malaysia 3/	22	6	1	693	569	627
Ceylon	756	367	743	225	243	317
Thailand	26	8	19	85	164	303
South Vietnam	2	-	-	4/ 622	4/ 1,259	4/ 2,539
Hong Kong	27	18	30	463	668	810
Taiwan	-	-	7	2/ 273	237	254
Indonesia	-	-	-	17	-	-
Philippines, Rep. of	804	1,401	715	1,224	1,262	2,611
Japan	31	9	8	1,624	-	-
Africa:						
Egypt	-	-	-	711	1,550	277
South Africa, Rep. of	1	1	-	43	1	6
Mozambique	7	26	10	-	5	-
All others	99	111	102	1,110	2/ 1,095	1,796
Grand Total	2,551	2,675	2,471	18,552	16,002	17,014

1/ Preliminary. 2/ Includes small shipments under AID Program. 3/ Includes shipments to Singapore. 4/ All or practically all under AID program.

Table 6.--DAIRY PRODUCTS: U.S. exports by category, quantity and value, 1964-66

Item	Quantity			Value 1/		
	1964	1965	1966 2/	1964	1965	1966 2/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars
Milk and cream, fresh	10,159	9,021	9,847	1,404	1,429	1,764
Butter 3/	297,283	65,754	13,693	4/ 116,191	29,691	7,894
Cheese, all types	9,086	6,831	6,002	4,043	3,399	3,649
Milk, processed:						
Condensed sweetened	62,837	65,252	92,885	15,247	15,619	22,767
Evaporated	37,713	25,248	39,779	5,636	4,164	5,865
Dried whole milk	13,898	18,497	15,584	5,532	8,123	4,869
Nonfat dried milk	1,311,622	863,074	387,683	112,678	117,697	63,272
Milk products, processed:						
Infants' and dietetics; chiefly milk base	18,552	16,002	17,014	10,808	11,124	11,292
Malted milk compounds and mixtures	2,551	2,675	2,471	1,313	1,428	1,081
Dry cream	5/	1,209	933	5/	500	-
Ice cream powder mixes	497	6/	6/	270	6/	6/
Casein (inedible)	270	7/	7/	138	7/	7/
Dairy products, n.e.c.	27,658	6/	6/	2,828	6/	6/
Total value	-	-	-	276,088	193,174	122,453
	Million pounds	Million pounds	Million pounds			
Whole milk equivalent of total exports	8/ 7,409	2,149	970	-	-	-

---

1/ Based on unit values reported by Bureau of Census, U.S. Department of Commerce. 2/ Preliminary. 3/ Includes butter equivalent of anhydrous milk fat, butter oil, and ghee. 4/ Includes $52.5 million estimated export value of approximately 135 million pounds of butter products shipped for relief and charity not reported by Commerce. 5/ Not reported separately prior to 1965. 6/ As of January 1, 1965, is not listed separately in Bureau of Census Trade Statistics; now included with other food preparations, not specified. 7/ As of January 1, 1965, includes albumens, peptones and dextrins. 8/ Adjusted to represent whole milk equivalent averaging 3.7 percent fat content. Formerly reported on a 4 percent fat content basis.

Table 7.--DAIRY PRODUCTS: U.S. imports by category, quantity and value, 1964-66

Item	Quantity			Value		
	1964	1965	1966 1/	1964	1965	1966 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars
Cream, fresh	9,928	12,597	14,957	2,014	2,487	3,195
Canned milk	991	1,799	3,289	164	316	469
Whole milk, dried	6	-	7	1	-	2
Skimmed milk, dried	1,561	1,378	2,835	130	174	370
Buttermilk, dried	204	78	401	19	9	57
Malted milk compounds, dried	12	9	1	4	5	2/
Butter	665	748	667	362	385	365
Cheese, all	77,878	79,311	135,473	39,491	43,023	60,110
Swiss	11,506	10,419	14,751	6,427	6,001	7,988
Gruyere	5,173	5,313	9,123	2,779	2,886	4,108
Romano	2,480	2,305	3,129	756	932	1,187
Pecorino	16,706	15,901	15,759	10,420	12,160	11,471
Reggiano and Parmesano	2,285	1,902	1,827	1,313	1,342	1,331
Provoloni and Provolette	3,808	3,484	2,821	2,742	2,769	2,454
Roquefort	2,004	2,191	1,861	1,959	2,398	2,102
Cheddar	2,479	1,858	4,181	805	641	1,530
Blue Mold	4,249	4,400	5,173	2,136	2,209	2,621
Edam and Gouda	6,771	7,566	10,897	3,117	3,537	4,991
Colby 3/	11,428	14,149	45,994	2,725	3,499	12,570
All other cheese not listed above	8,990	9,823	19,957	4,312	4,649	7,757
Casein, dried	108,452	91,788	107,906	20,313	26,621	27,165
Lactose, dried	604	447	1,352	71	70	132
Total value	-	-	-	62,569	73,090	91,865 4/

1/ Preliminary. 2/ Less than $500. 3/ Not shown separately by Bureau of Census prior to September 1963. 4/ Does not include imports of butterfat/sugar mixtures valued at about $25 million.

Table 8.--BUTTER AND CHEESE: Imports by country of origin, 1964-66

Country of destination	Butter			Cheese		
	1964	1965	1966 1/	1964	1965	1966 1/
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
North America:						
Canada	-	-	11	679	484	1,190
South America:						
Argentina	-	-	-	3,860	3,192	4,572
Brazil	-	-	-	-	-	40
Europe:						
Denmark	162	164	160	9,899	10,042	22,795
Netherlands	-	205	116	5,018	5,489	8,301
United Kingdom	-	-	1	200	400	316
Portugal	-	-	-	54	167	99
Sweden	4	-	-	751	832	1,612
Switzerland	-	-	-	10,806	10,234	12,581
Yugoslavia	-	-	-	404	422	577
Austria	-	-	-	2,741	2,543	5,270
Finland	20	5	7	3,294	3,443	6,992
Belgium	-	-	-	9	152	2,942
France	-	-	-	3,326	4,034	15,213
Germany, West	-	-	2	598	975	1,756
Greece	-	-	-	666	958	806
Ireland	-	-	-	431	1,598	2,004
Italy	2	-	-	20,711	18,389	16,563
Norway	80	-	-	1,192	1,278	1,545
Bulgaria	-	-	-	836	1,270	1,285
Czechoslovakia	-	-	-	63	77	89
Poland	-	-	-	106	85	1,205
Oceania:						
Australia	9	-	-	2,590	4,690	2,670
New Zealand	386	373	370	9,666	7,778	21,284
Others	2	1	-	132	779	2/ 3,766
Total	665	748	667	78,032	79,311	135,473

1/ Preliminary. 2/ Mostly from Iceland and Romania.

Table 9.--CHEESE: Imports by variety and country, 1962-66

Variety and country of origin	1962	1963	1964	1965	1966 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Cheddar:					
Canada 2/	473	524	584	458	902
Denmark	-	2	-	-	4
Sweden	6	7	6	6	7
New Zealand	2,065	2,604	1,887	1,391	3,224
Others	-	20	2	3	44
Total	2,544	3,157	2,479	1,858	4,181
Swiss: 3/					
Austria	1,030	1,284	1,963	1,717	2,868
Belgium	7	-	-	-	78
Denmark	2,926	2,595	985	810	1,964
Finland	2,327	2,575	2,950	2,946	6,442
France	10	18	26	15	111
Germany, West	126	62	70	106	559
Italy	19	43	32	5	-
Netherlands	60	60	61	128	160
Norway	23	154	222	333	469
Sweden	19	13	-	1	6
Switzerland	10,681	9,590	10,317	9,599	11,054
Others	95	130	54	72	163
Total	17,323	16,524	16,680	15,732	23,874
Pecorino:					
Romania	-	1	13	374	1,211
Bulgaria	491	575	836	962	843
Greece	175	203	650	958	802
Italy	16,847	16,362	14,737	13,048	12,118
Yugoslavia	397	346	404	419	578
Argentina	5	-	-	-	-
Others	57	66	66	140	207
Total	17,972	17,553	16,706	15,901	15,759

See footnotes at end of table.

Table 9.--CHEESE: Imports by variety and country, 1962-66--Continued

Variety and country of origin	1962	1963	1964	1965	1966 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Roquefort:					
France	2,390	2,040	2,004	2,191	1,821
Others	2	-	-	-	40
Total	2,392	2,040	2,004	2,191	1,861
Romano:					
Italy	10	13	5	16	26
Argentina	2,588	3,139	2,475	2,282	3,103
Others	-	11	-	7	-
Total	2,607	3,163	2,480	2,305	3,129
Parmesano and Reggiano:					
Italy	1,230	1,170	1,139	1,087	883
Argentina	623	1,461	1,146	815	942
Others	53	-	-	-	2
Total	1,906	2,631	2,285	1,902	1,827
Edam and Gouda:					
Denmark	947	996	1,251	1,395	1,702
Netherlands	5,112	5,647	4,807	5,210	7,693
Norway	230	260	266	280	338
Switzerland	5	10	-	-	-
Argentina	156	274	58	13	88
Sweden	78	80	85	98	178
Portugal	6	3	4	11	13
Italy	-	-	-	-	-
Ireland	-	125	135	171	313
Others	153	94	-	388	572
Total	6,687	7,489	6,770	7,566	10,897
Blue Mold:					
Switzerland	7	6	26	-	-
Germany, West	5	20	6	-	43
Denmark	4,185	3,612	3,927	4,102	4,849
France	2	-	1	2	1
Italy	119	112	126	104	116
Norway	8	74	95	90	96
Sweden	12	35	19	43	9
United Kingdom	21	51	47	56	59
Others	4	-	2	3	-
Total	4,363	3,910	4,249	4,400	5,173

See footnotes at end of table.

Table 9.--CHEESE: Imports by variety and country, 1962-66--Continued

Variety and country of origin	1962	1963	1964	1965	1966 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Provolone and Provolette:					
Italy	4,557	4,284	3,800	3,469	2,821
Argentina	1	2	8	1	-
Others	-	19	-	14	-
Total	4,558	4,305	3,808	3,484	2,821
Colby: 4/					
Canada	-	-	54	-	223
Belgium	-	-	-	134	2,408
France	-	-	-	-	8,980
Austria	-	-	750	772	2,304
Denmark	-	-	3	22	6,913
Ireland	-	-	199	1,278	1,299
United Kingdom	-	-	9	224	-
Australia	-	-	2,567	4,609	2,630
New Zealand	-	-	7,778	6,387	20,083
Others	-	-	221	723	1,155
Total	-	-	11,581	14,149	45,994
Other cheeses: 5/					
Austria	5	991	28	54	95
Canada	25	67	40	25	62
Belgium	2	3	4	13	420
Bulgaria	329	6	-	-	-
Denmark	2,155	2,518	3,730	3,710	7,363
Finland	6	127	344	480	505
Germany, West	374	369	394	432	820
Greece	53	3	10	-	4
Italy	1,493	1,149	867	661	588
Netherlands	152	182	147	148	153
Norway	446	517	607	574	642
Portugal	47	64	49	85	81
Sweden	201	387	448	439	1,202
Switzerland	170	307	443	609	1,525
United Kingdom	177	300	104	112	241
Yugoslavia	75	24	-	3	-
Argentina	49	70	172	70	439
New Zealand	8,406	7,088	-	-	-
France	738	883	1,292	1,826	2,246
Australia	1,400	5,933	1	22	11
Others	960	1,275	310	560	6/ 3,560
Total	17,263	22,263	8,990	9,823	19,957

1/ Preliminary. 2/ Includes Newfoundland and Labrador. 3/ Includes Emmentaler with eye-formation and Gruyere process cheese. 4/ Not shown separately by Bureau of Census prior to September 1963. 5/ Includes Colby cheese for 1962-63. 6/ Mostly from Iceland and Poland.

Table 10.--CASEIN: Imports by country of origin, 1962-66

Country of origin	1962	1963	1964	1965	1966 1/
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Canada 2/	11,459	13,886	9,955	12,971	13,489
Azores	200	141	78	298	18
Denmark	-	-	-	119	134
France	3,274	3,038	9,922	2,887	6,379
Germany, West	1,319	604	681	181	457
Netherlands	2,045	2,143	1,369	721	304
Norway	900	995	1,092	1,038	601
Poland	8,281	935	717	1,751	10,849
Argentina	37,814	34,330	41,978	26,781	25,484
Brazil	349	94	328	790	514
Uruguay	1,763	3,681	2,944	1,653	2,479
Australia	15,996	14,981	14,612	17,524	20,016
New Zealand	11,703	12,530	24,566	24,982	26,860
Others	472	519	210	92	322
Total	95,575	87,877	108,452	91,788	107,906

1/ Preliminary. 2/ Includes Newfoundland and Labrador.

UNITED STATES DEPARTMENT OF AGRICULTURE

WASHINGTON, D. C. 20250

Official Business

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE

NOTICE

If you no longer need this publication, check here ☐ return this sheet, and your name will be dropped from the mailing list.

If your address should be changed ☐ PRINT or TYPE the new address, including ZIP CODE, and return the whole sheet to:

Foreign Agricultural Service, Rm. 5918
U. S. Department of Agriculture
Washington, D. C. 20250

1.943
F117

FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE
Foreign Agricultural Service Washington D.C.

[illegible]
AUG 31 1967
CURRENT SERIAL RECORDS

Dairying
FD 2-67
June 1967

MILK PRODUCTION AND UTILIZATION IN PRINCIPAL PRODUCING COUNTRIES, 1966

PRODUCTION

In 1966, milk production in 18 major producing countries was practically unchanged from the 1965 levels. Production in these countries, accounting for approximately 60 percent of the estimated total world output, was at 397 billion pounds compared with 396 billion pounds produced one year earlier.

In Western Europe, milk production increased above the levels of 1965 because of more favorable weather conditions, adequate feed supplies, generally higher prices to producers, and improved yields per animal.

Production in France--Western Europe's leading milk producing country--rose to a new record because of these favorable conditions. In the Netherlands, increased yields accounted for the larger milk production. In Ireland, milk production exceeded that of a year earlier because of the increase in the number of dairy cattle. In Norway, production increased even though the number of milk cows declined. Western Germany's milk production was maintained at about the 1965 level. Milk production in Denmark declined. Unfavorable prices for beef and butter, increasing labor costs and a decline in the number of cows made dairy farming less profitable. In Finland, milk production declined in 1966 compared to the previous year because of a reduction in cow numbers. There was a general trend to dispose of smaller herds. In Sweden, the increased yield per animal was not proportionate to declines in animal numbers. Milk cow numbers in the United Kingdom were slightly higher in 1966, but milk production was below that of the previous year.

In Australia, conditions were favorable in most of the dairy producing areas and production recovered from the low levels of 1965 and exceeded the record year of 1964. In New Zealand, pasture conditions were generally adequate. Cow numbers increased slightly and milk production was well above the levels of the past several years. In Canada, yields increased slightly, but milk cow numbers continued to decline and production was essentially unchanged from the level of the past two years. In the United States, milk production declined because of the above normal decline in milk cow numbers and a lower than average gain in production per cow. In addition, poor feeding conditions prevailed in some of the major milk producing states and numerous dairymen left their farm for more attractive opportunities in other fields.

Fluid milk consumption in 1966 increased slightly over the previous year. In Western Europe, consumption was up more than 2 percent and only Finland and the Netherlands reported a decline in consumption from the level of 1965. In Austria and Switzerland, consumption was unchanged from 1965. In Australia, New Zealand and Canada, fluid milk consumption increased while there was little change in the milk consumption pattern of the United States.

Milk utilization for butter production declined by about 2 percent. In Western Europe, milk utilized for butter was practically the same as in 1965, despite reduced utilization for this purpose in six of the 14 reporting countries. France, Norway and Switzerland showed the largest increases in the use of milk for butter production. Both Australia and New Zealand used a larger proportion of milk for butter production. Also, in Canada there was a slight increase while in the United States there was a considerable decline in the volume of milk used for butter.

Milk used for cheese production increased by about 5 percent from 1965. In Western Europe, milk utilization for cheese production rose by 4 percent. Only in the United Kingdom and Finland did cheese production decline from the previous year.

In Oceania, significantly larger quantities went into the manufacture of cheese. In the Western Hemisphere, also, supplies used for cheese were higher than levels of a year ago.

Milk for canning declined about 1 percent. Most of the decreases occurred in Western Europe, where only in Austria and Belgium was more milk diverted to this use in 1966, compared with 1965. There was a sharp decline in canned milk supplies in Australia during 1966. In North America, both Canada and the United States used more milk for canned milk products than a year ago.

The quantity of milk utilized for dried whole milk, ice cream, and other products was up 1 percent. In Western Europe, about 2 percent more milk was used for this purpose, despite reduced use in a number of countries in that area. Both Australia and New Zealand diverted more milk into dried whole milk and other products, Canada and the United States less.

Milk fed to livestock was below levels of a year earlier. In Western Europe, approximately the same amount was used for feed in both years. Milk utilized as feed in Oceania was up slightly. Both Canada and the United States utilized less milk for feed in 1966 than in 1965.

COWS' MILK: Production and utilization in specified countries, 1966 (preliminary) and 1965

Country	Production			Utilization					
	Milk cows	Production per cow	Milk production	Fluid milk 1/	Butter	Cheese	Canned milk	Other uses 2/	Feed
	1,000 head	Pounds	Million lbs.	Million lbs.	Million lbs.	Million lbs.	Million lbs.	Million lbs.	Million lbs.
1966									
Canada	2,799	6,565	18,375	6,104	7,896	2,160	734	772	709
United States	14,123	8,513	120,230	58,760	24,190	16,791	4,766	13,751	1,972
Austria	1,103	6,396	7,055	2,608	2,101	646	33	421	1,246
Belgium	1,016	8,683	8,823	2,270	4,699	590	136	424	704
Denmark	1,358	8,619	11,704	1,903	6,975	1,779	3/	3/ 606	441
Finland	1,096	7,545	8,131	2,545	4,602	569	0	293	122
France	8,633	6,469	55,842	11,168	19,545	10,601	3/	3/3,360	11,168
Germany, West	5,854	8,042	47,084	12,388	24,816	2,979	4/2,510	4/ 516	3,875
Greece	450	2,944	1,325	722	191	193	0	0	219
Ireland	1,582	4,503	7,124	1,485	3,574	388	0	544	1,133
Italy 5/	3,450	6,129	22,473	7,063	3,198	8,233	3/	3/ 55	3,924
Netherlands	1,730	9,221	15,952	2,324	4,881	5,013	2,114	1,058	562
Norway 6/	503	7,410	3,791	1,959	1,024	606	3/	3/ 48	154
Sweden	954	8,192	7,815	3,011	3,448	807	1	272	276
Switzerland 6/	917	7,524	6,949	2,432	1,212	2,088	3/	3/ 203	1,014
United Kingdom 7/	4,270	5,822	24,858	18,455	1,644	2,550	1,013	1,196	0
Australia	3,094	5,239	16,210	3,540	10,165	1,460	319	644	82
New Zealand 8/	2,086	6,558	13,680	1,107	9,816	2,017	3/	3/ 387	353
Total of above countries	55,018	--	397,421	139,844	133,977	59,470	11,626	24,550	27,954
1965									
Canada	2,885	6,364	18,361	6,084	7,983	1,997	726	796	775
United States	14,954	8,304	124,173	58,843	28,983	15,736	4,626	13,924	2,061
Austria	1,110	6,387	7,075	2,610	2,106	626	31	439	1,263
Belgium	1,007	8,626	8,690	2,240	4,655	521	133	412	729
Denmark	1,350	8,764	11,832	1,885	7,183	1,609	3/	3/ 714	441
Finland	1,138	7,439	8,298	2,597	4,697	581	0	299	124
France	8,470	6,325	53,572	10,714	18,750	10,170	3/	3/3,224	10,714
Germany, West	5,816	8,029	46,701	11,829	24,738	2,976	4/2,571	4/ 538	4,049
Greece	452	2,874	1,299	707	188	189	0	0	215
Ireland	1,547	4,467	6,910	1,475	3,413	356	0	550	1,116
Italy 5/	3,387	6,012	21,520	6,589	2,910	7,684	3/	3/ 55	4,282
Netherlands	1,698	9,273	15,745	2,377	5,013	4,625	2,216	908	606
Norway 6/	517	7,029	3,693	1,950	969	567	3/	3/ 50	157
Sweden	994	8,106	8,058	3,007	3,682	802	2	245	320
Switzerland 6/	920	7,416	6,872	2,432	1,168	2,044	3/	3/ 214	1,014
United Kingdom 7/	4,205	5,969	25,101	18,269	1,955	2,703	1,042	1,132	0
Australia	3,214	4,780	15,364	3,484	9,500	1,333	376	589	82
New Zealand 8/	2,032	6,465	13,137	1,075	9,504	2,009	3/	3/ 203	346
Total of above countries	55,696	--	396,401	138,167	137,397	56,528	11,723	24,292	28,294

COWS' MILK: Production and utilization in specified countries, 1956-60

Country	Production			Utilization					
	Milk cows	Production per cow	Milk production	Fluid milk 1/	Butter	Cheese	Canned milk	Other uses 2/	Feed
	1,000 head	Pounds	Million lbs.	Million lbs.	Million lbs.	Million lbs.	Million lbs.	Million lbs.	Million lbs.
Canada	3,041	5,724	17,407	6,157	7,714	1,211	715	912	698
United States	18,880	6,544	123,561	58,795	31,122	13,191	5,861	11,784	2,808
Austria	1,144	5,287	6,048	2,392	1,855	389	8	281	1,123
Belgium	997	8,345	8,320	2,035	5,219	169	108	77	712
Denmark	1,437	8,095	11,633	1,734	7,349	1,447	3/	3/ 603	500
Finland	1,137	6,254	7,118	2,797	3,600	476	0	51	194
France	9,402	4,896	46,037	9,774	17,853	8,230	3/	3/ 1,304	8,876
Germany, West	5,624	7,042	39,604	12,346	18,915	2,248	4/ 1,798	4/ 212	4,085
Greece	357	2,219	801	448	112	84	0	0	157
Ireland	1,246	4,794	5,973	1,256	3,431	74	3/	3/ 363	849
Italy 5/	3,584	5,459	21,167	5,835	3,605	6,200	3/	3/ 82	5,445
Netherlands	1,540	8,982	13,833	2,622	4,161	3,946	1,573	821	710
Norway 6/	618	5,770	3,614	1,689	743	691	3/	89	402
Sweden	1,366	6,337	8,657	3,175	4,039	847	8	148	440
Switzerland 6/	910	7,089	6,518	2,364	1,280	1,637	3/	3/ 155	1,082
United Kingdom 7/	3,886	5,738	22,295	16,283	1,623	2,418	940	1,031	0
Australia	2,528	5,540	14,005	2,992	9,156	960	3/	3/ 815	82
New Zealand 9/	1,956	5,961	11,660	1,054	8,306	1,825	3/	3/ 149	326
Total of above countries	59,653	--	368,251	133,748	130,083	46,043	11,011	18,877	28,489

1/ Includes milk used for cream. 2/ Includes milk used for ice cream, dried whole milk, minor products waste and balance, unless otherwise indicated. 3/ Canned milk included with other uses. 4/ Dried milk included with canned milk. 5/ Production and utilization include sheep and goat milk. 6/ Production and utilization include goat milk. 7/ Under Milk Marketing Schemes only. 8/ Years ending May 30. 9/ Years ending June 30.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C. 20250

Official Business

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE

NOTICE

If you no longer need this publication, check here ☐ return this sheet, and your name will be dropped from the mailing list.

If your address should be changed ☐ PRINT or TYPE the new address, including ZIP CODE, and return the whole sheet to:

Foreign Agricultural Service, Rm. 5918
U. S. Department of Agriculture
Washington, D. C. 20250

1.943
F117
Cop. 2

FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE
Foreign Agricultural Service Washington D.C.

FEB - 8 1967

Dairying
FD 1-67
January 1967

PER CAPITA CONSUMPTION OF DAIRY PRODUCTS, 1964 AND 1965

Average per capita consumption of milk and dairy products in terms of milk equivalent (fat solids basis) in 17 major dairy producing countries totaled 722 pounds in 1965. This was down 7 pounds per person from the 729 pounds consumed in these countries in 1964.

For fluid milk and cream total consumption was up only 0.5 percent from the 1964 level, while per capita consumption dropped nearly 1 percent to 279 pounds. Population increased more than total consumption thus per capita use declined. Both total and per capita consumption of butter were down again in 1965. Continuing the trend of recent years, per capita consumption of cheese was up, while that of canned milk declined slightly. Consumption of dry whole milk per person showed a moderate increase in 1965. Dried skim milk used for food showed a slight per capita decline.

Finland remained the leading user of milk and milk products with a milk equivalent consumption of 1,501 pounds per person. Ireland and New Zealand again ranked second and third. New Zealand was again the leading consumer of butter; France, of cheese; the Netherlands, of canned milk; and Sweden, of dried milk.

Milk Production

Total milk production in the 17 reporting countries increased by 1 percent over 1964, but overall average per capita production declined to 805 pounds from 806 pounds in 1964. Eleven countries registered increases in per capita milk production and six decreases, with Australia showing the sharpest decline because of severe drought conditions in 1965.

Consumption of Dairy Products, Milk Equivalent Basis, 1965

Total consumption of fluid milk and dairy products in terms of milk equivalent (fat solids basis) in 1965 totaled 359 billion pounds, about the same as in 1964. With the exception of butter and canned milk, which declined about 1 percent, the other major dairy products experienced small gains. As in past years, combined use of fluid milk and butter accounted for 78 percent of total milk products consumption. Cheese, the third most important product, accounted for 15 percent of total milk consumption; canned milk, 3 percent; and dry whole milk and ice cream accounted for most of the remaining 4 percent.

Per Capita Consumption

Fluid milk

The average per capita consumption of fluid milk and cream in the 17 reporting countries in 1965 was 722 pounds, 7 pounds below the previous year. Ten countries reported declines in per capita use, six increases, and one no change. New Zealand experienced the sharpest decline--about 28 pounds--caused mainly by increased diversion of milk to manufacturing purposes. No other significant or unusual changes in per capita consumption of fluid milk and cream were reported in 1965.

Butter

Total consumption in 1965, at 6.3 billion pounds, was slightly below a year earlier. Average per capita consumption at 12.6 pounds was down 0.2 pounds from a year earlier. Twelve countries reported declines while five experienced small gains in per capita use.

The general trend in the developed countries (where most of the butter is consumed) is toward lower consumption of high milk-fat products. Strong competition from lower-priced margarine was also an important factor contributing to the decline in butter consumption in 1965.

The United Kingdom, one of the major butter consuming countries, registered a sizable increase in per capita consumption. Consumption rose by 0.5 pound per person to 19.4 pounds. Lower prices combined with ample butter supplies encouraged increased use in the United Kingdom. Italy and Norway were countries which experienced moderate gains in both total and per capita use.

In West Germany, per capita consumption of butter declined again in 1965. At 18.3 pounds per person, consumption was down 0.6 pound from the 1964 level. The consumption decline would have been more pronounced if the German government had not sold 132 million pounds of surplus butter purchased and stored for price support purposes on the domestic market at reduced prices. However, retail prices for fresh butter were higher, a major factor contributing to lower consumption there.

In Canada, per capita consumption dropped nearly one-half pound in 1965, down to 18.6 pounds. A two-cents reduction in the consumer subsidy from C$0.11 to C$0.09 per pound, effective May 1, 1965, was primarily responsible for the decline. In the Netherlands, butter consumption was down again and per capita use dropped from 10.6 pounds in 1964 to 9.7 pounds. Competition from margarine, which sells for about one-third the average retail price of butter, was an important factor in the decline. Australia and Denmark registered sharp declines in per capita use in 1965.

New Zealand and Finland were again the leading per capita consumers of butter. Large supplies and low domestic prices keep consumption in these two countries at high levels.

In the United States, the downward trend in consumption of butter continued. Per capita consumption dropped four-tenths of a pound from a year earlier to a record low of 6.4 pounds per person. Consumption in 1966 is expected to show another substantial decline.

Cheese

The general upward trend in consumption of cheese continued through 1965. Total consumption increased 2 percent, while average per capita use rose one-tenth of a pound to 12.3 pounds. Twelve countries registered gains and four declines, while per capita consumption in one country remained unchanged. France, Norway, and Italy registered the sharpest per capita gains, while the United Kingdom experienced the sharpest decline. Per capita consumption in the latter went down for the first time since 1959, primarily because of higher prices.

Condensed and evaporated milk

Total consumption of canned milk (including canned skim milk) in the 13 countries for which information was available remained about the same--at 5.5 billion pounds. Six countries reported increases and seven moderate declines. The Netherlands and West Germany, which rank as first and second leading consumers on a per capita basis, were the countries experiencing the sharpest increases. On the other hand, Canada and the United States, third and fourth largest per capita consumers respectively, showed the sharpest declines. In the Netherlands, the expanding use of coffee-milk (an evaporated milk product) in coffee, in place of fluid milk, accounted for the increase in total canned milk use in that country.

Dried milk

Total consumption of dried whole milk in the 11 countries for which information was available amounted to 428 million pounds, an increase of 4.6 percent over 1964. Average per capita use increased slightly in 1965 and now totals one pound per person. Five countries reported increases; three declines, and two no change. Belgium and the Netherlands experienced the sharpest increases.

Consumption of nonfat dry milk utilized exclusively for food was reported by only six countries. Total consumption in the six countries (Netherlands, Sweden, Australia, United Kingdom, Canada and the United States) amounted to 1,444 million pounds--down about 4.5 percent from a year earlier. Only two countries--Sweden and Australia--reported gains in 1965. The United States, Canada, and the United Kingdom were the countries where declines were most pronounced. Sweden showed the sharpest per capita increase from 3.9 pounds in 1964 to 6.2 pounds per person in 1965.

Indications for 1966

Preliminary indications point to further slight declines in per capita consumption of milk and dairy products in 1966. A general trend toward use of more milk products with a lower fat content is evidenced in many important dairy producing countries. Consumption of fluid whole milk and butter will probably decline on a per capita basis. On the other hand, cheeses are becoming increasingly popular and both total and per capita consumption will probably continue the upward trend of recent years. Consumption of dried milks (skim and dry whole combined), as well as consumption of canned milk, will probably remain near the 1965 level.

Table 1.--MILK AND DAIRY PRODUCTS: Per capita production and consumption in 17 countries, 1964 and 1965 1/

Country	Production of fluid milk		Consumption											
			Milk equivalent 2/		Fluid milk and cream		Butter		Cheese		Canned milk		Dried milk 3/	
	1964	1965	1964	1965	1964	1965	1964	1965	1964	1965	1964	1965	1964	1965
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Austria	958	977	716	703	356	345	11.4	11.3	7.6	7.7	1.6	2.1	4/ 0.8	4/ 0.7
Belgium 5/	5/ 899	920	5/ 865	865	5/ 231	221	6/ 17.4	6/ 17.6	13.5	13.7	4/ 7.4	7.1	4/ 4.6	4/ 5.1
Denmark	2,445	2,489	999	976	387	387	23.5	22.3	20.3	20.6	7/	7/	8/	8/
Finland	1,841	1,823	9/ 1,511	1,501	9/ 651	644	39.5	39.2	6.6	7.2	7/	7/	8/	8/
France	1,148	1,181	917	923	226	231	18.8	18.7	21.1	22.1	9/ 3.0	3.6	4/ 0.8	4/ 0.7
Germany, West	788	791	766	745	210	203	18.9	18.3	10/ 9.7	10/ 9.3	17.5	18.1	4/ 1.1	4/ 1.3
Ireland	2,317	2,433	9/ 1,406	1,425	9/ 473	476	35.5	35.6	3.7	3.8	7/	7/	8/	8/
Italy 11/	413	422	361	384	127	130	3.5	4.1	9/ 18.3	19.1	2.2	1.7	8/	8/
Netherlands	1,264	1,281	12/ 812	12/ 799	12/ 328	12/ 323	10.6	9.7	17.0	17.6	21.6	22.2	3.5	4.0
Norway 13/	993	990	894	933	519	523	8.6	9.7	19.0	20.1	7/	7/	8/	8/
Sweden	1,046	1,040	975	950	394	391	20.3	19.2	17.6	17.6	1.7	1.6	9/ 7.0	9.5
Switzerland 13/	1,135	1,145	967	958	417	411	14.9	14.8	19.3	19.5	2.7	2.9	4/ 1.8	4/ 1.5
United Kingdom 14/	14/ 446	14/ 461	14/ 856	14/ 850	14/ 334	14/ 335	18.9	19.4	10.6	9.9	6.6	6.7	9/ 4.6	4.1
Australia	1,437	1,353	929	905	304	301	24.2	23.3	7.2	7.1	11.8	11.1	6.3	6.4
New Zealand	4,859	4,976	1,317	1,281	432	404	43.2	43.1	7.7	7.5	15/ 6.1	15/ 5.1	8/	8/
Canada	962	935	878	870	314	312	19.0	18.6	9/ 8.5	8.9	17.3	16.9	8.2	7.7
United States 16/	661	643	630	621	305	302	6.8	6.4	9.4	9.5	17/ 16.0	18/ 15.2	6.2	5.9

1/ Preliminary. 2/ Fluid milk and dairy products in terms of whole milk equivalent. 3/ Includes both dry whole milk and nonfat dry milk used for human consumption, except as noted. 4/ Estimated per capita use of dry whole milk only. Nonfat dry milk for human consumption not reported separately. 5/ Revised downward in accordance with the latest production data reported by Agricultural Attache. 6/ Does not include butter introduced illegally into this country, estimated at 10,000 metric tons per year or about 2.3 pounds per capita. 7/ Not available or quantity negligible. 8/ Not shown separately from other dairy products or quantity negligible. Nominal figure for dry whole milk component included in total milk equivalent. 9/ Revised. 10/ Includes factory whole and part skim milk cheese. Excludes cottage cheese types and process cheese. 11/ Includes sheep and goat milk. 12/ Revised upward to include milk equivalent of some milk products as well as milk consumed on farms. 13/ Includes goat milk. 14/ Under Milk Marketing Schemes only. 15/ Includes dry whole milk. 16/ As reported by the Economic Research Service, U.S. Department of Agriculture. Estimates based on domestic consumption of civilian population only. 17/ Includes canned skim milk.

Table 2.--MILK AND DAIRY PRODUCTS: Relative position of 17 countries in per capita production and consumption, 1964 and 1965 1/

Country	Production of fluid milk		Consumption											
			Milk equivalent 2/		Fluid milk and cream		Butter		Cheese		Canned milk		Dried milk	
	1964	1965	1964	1965	1964	1965	1964	1965	1964	1965	1964	1965	1964	1965
	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank
Finland	4	4	1	1	1	1	2	2	16	15	3/	3/	3/	3/
Ireland	3	3	2	2	3	3	3	3	17	17	3/	3/	3/	3/
New Zealand	1	1	3	3	4	5	1	1	13	14	8	8	3/	3/
Denmark	2	2	4	4	7	7	5	5	2	2	3/	3/	3/	3/
Switzerland	8	8	6	5	5	4	12	12	3	4	10	10	8	8
Sweden	9	9	5	6	6	6	6	7	6	6	12	13	2	1
Norway	10	10	9	7	2	2	15	15	4	3	3/	3/	3/	3/
France	7	7	8	8	15	14	10	8	1	1	9	9	10	10
Australia	5	5	7	9	13	13	4	4	15	16	5	5	3	3
Canada	11	12	10	10	11	11	7	9	12	12	3	3	1	2
Belgium	13	13	11	11	14	15	11	11	8	8	6	6	5	5
United Kingdom	16	16	12	12	9	9	8	6	9	9	7	7	6	6
Netherlands	6	6	13	13	10	10	14	14	7	7	1	1	7	7
Germany, West	14	14	14	14	16	16	9	10	10	11	2	2	9	9
Austria	12	11	15	15	8	8	13	13	14	13	13	11	11	11
United States	15	15	16	16	12	12	16	16	11	10	4	4	4	4
Italy	17	17	17	17	17	17	17	17	5	5	11	12	3/	3/

1/ Derived from Table 1. 2/ Fluid milk and dairy products in terms of whole milk equivalent computed on a fat solids basis. 3/ Not available.

UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C. 20250

Official Business

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE

NOTICE

If you no longer need this publication, check here ☐ return this sheet, and your name will be dropped from the mailing list.

If your address should be changed ☐ PRINT or TYPE the new address, including ZIP CODE, and return the whole sheet to:

Foreign Agricultural Service, Rm. 5918
U. S. Department of Agriculture
Washington, D. C. 20250